DOCUMENT RESUME

ED 416 250 TM 028 130

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TITLE National Household Education Survey of 1995: Adult Education Course Code Merge Files User's Guide. Working Papers Series.

INSTITUTION Westat, Inc., Rockville, MD.
SPONS AGENCY National Center for Education Statistics (ED), Washington, DC.
REPORT NO NCES-WP-97-20
PUB DATE 1997-06-00
NOTE 56p.
AVAILABLE FROM U.S. Department of Education, Office of Educational Research and Improvement, National Center for Education Statistics, 555 New Jersey Avenue, N.W., Room 400, Washington, DC 20208-5654.
PUB TYPE Guides - Non-Classroom (055)
EDRS PRICE MF01/PC03 Plus Postage.
DESCRIPTORS *Adult Education; *Coding; *Courses; *Educational Attainment; National Surveys; Postsecondary Education; *User Needs (Information)
IDENTIFIERS *Merge Files; *National Household Education Survey; User Guides

ABSTRACT

The National Household Education Survey (NHES) is a data collection system of the National Center for Education Statistics that is designed to provide information about educational issues best addressed through contacting households rather than institutions. In 1995, as in 1991, one of the components of this telephone survey was a study of adult education courses taken by respondents. For the 1995 survey, 19,722 interviews were completed with participants and nonparticipants in adult education. To provide data users with the ability to use the information collected on degree or certification courses, work-related courses, or courses for personal interests, the subject matter of courses was coded. A coding scheme containing 43 courses was developed, based on the Department of Education's College Course Map and the work of C. Adelman. The course code merge files for which this user guide has been developed contain the course code variables for each reported course. It is important to note that the course code merge files cannot be used by themselves for any analysis. Instead, they are designed to be used with the Adult Education public data files. This guide contains the following sections: (1) Background; (2) Adult Education Courses; (3) Course Codes; (4) Merge Files; (5) Statistical Analysis System example. Appendixes describe the course code merge file layout in position order and present the merge file codebook. (Contains five references.) (SLD)

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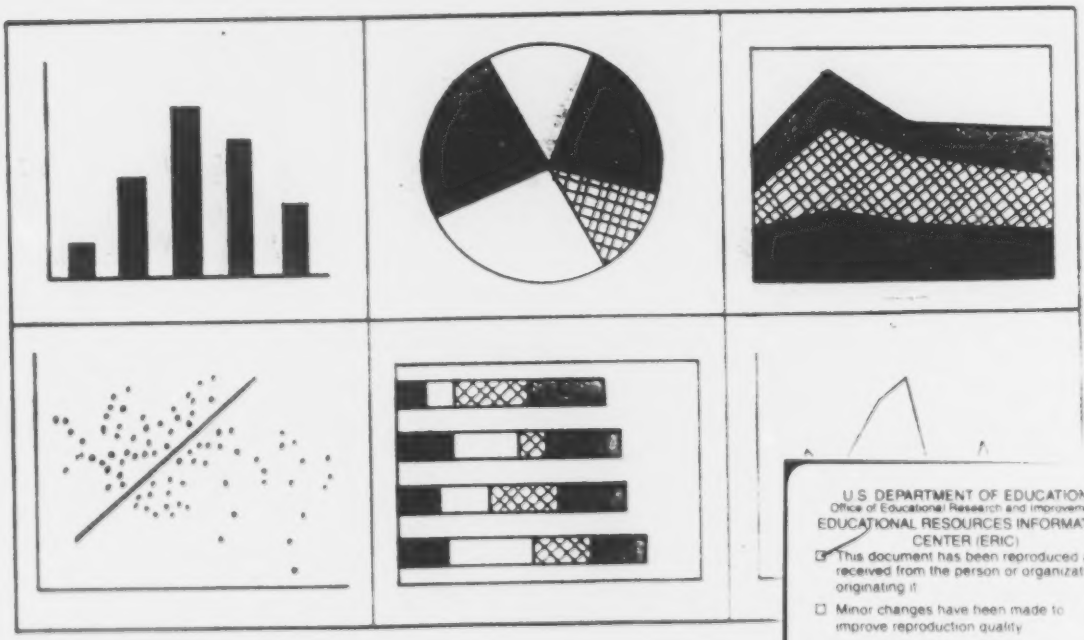
Working Paper Series

National Household Education Survey of 1995:

Adult Education Course Code Merge Files User's Guide

Working Paper No. 97-20 June 1997



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Working Paper No. 97-20 June 1997

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Suggested Citation

U.S. Department of Education. National Center for Education Statistics. *National Household Education Survey of 1995: Adult Education Course Code Merge Files User's Guide*, Working Paper No. 97-20, by Kwang Kim, Mary A. Collins, John Brown, and Peter Stowe. Washington, D.C.: 1997.

June 1997

Foreword

Each year a large number of written documents are generated by NCES staff and individuals commissioned by NCES which provide preliminary analyses of survey results and address technical, methodological, and evaluation issues. Even though they are not formally published, these documents reflect a tremendous amount of unique expertise, knowledge, and experience.

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National Household Education Survey of 1995:

Adult Education Course Code Merge Files User's Guide

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National Center for Education Statistics

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Background

The National Household Education Survey (NHES) is a data collection system of the National Center for Education Statistics (NCES), which has as its legislative mission the collection and publication of data on the condition of education in the Nation. The NHES is specifically designed to support this mission by providing information on educational issues that are best addressed by contacting households rather than schools or other educational institutions. The NHES provides descriptive data on the educational activities of the U.S. population and offers policymakers, researchers, and educators a variety of statistics on the condition of education in the United States.

The NHES is a telephone survey of the noninstitutionalized, civilian population of the United States. Households are selected for the survey using random-digit-dial (RDD) methods, and data are collected using computer-assisted telephone interviewing (CATI) procedures. From 45,000 to 64,000 households are screened for each administration, and individuals within households who meet predetermined criteria are sampled for more detailed or extended interviews. The data are weighted to permit estimates of the entire U.S. population. The NHES survey for a given year typically consists of a set of screening questions (Screener) collecting household composition and demographic data, and extended interviews on two substantive components addressing education-related topics. In order to assess data item reliability and inform future NHES surveys, each administration also includes data quality studies such as reinterviews with a subsample of respondents.

The primary purpose of the NHES is to conduct repeated measurements of the same phenomena at different points in time and one-time surveys on topics of interest to the Department of Education. Throughout its history, the NHES has collected data in ways that permit estimates to be tracked across time. This includes repeating topical components on a rotating basis in order to provide comparative data across survey years. In addition, each administration of the NHES has benefited from experiences with previous cycles, resulting in improvement to the survey procedures and content. Thus, while the survey affords the opportunity for tracking phenomena across time, it is also dynamic in addressing new issues and including conceptual and methodological refinements.

Full-scale implementations of the NHES have been conducted in 1991, 1993, 1995, and 1996. Topics addressed by the NHES:91 were early childhood education and adult education. The NHES:93 collected information about school readiness and school safety and discipline. The 1991 components were repeated for the NHES:95, addressing early childhood program participation and adult education. Both components underwent substantial redesign to incorporate new issues and develop new measurement approaches. In the NHES:96, the topical components were parent/family involvement in education and civic involvement, and an expanded screening approach provided state-level estimates of public library use by households.

In the NHES:91, 60,314 households were screened and adult education interviews were completed with 12,568 persons, including interviews with 9,774 adults who participated in adult education in the previous 12 months and 2,794 interviews with adults who did not participate. More details on the NHES:91 data collection and public use data files are given in *National Household Education Survey of 1991: Adult Education Data File User's Manual* (Brick et al. 1992). In the NHES:95, screening interviews were completed with 45,465 households, and 19,722 adult education interviews were completed, including 11,713 AE participants and 8,009 AE nonparticipants. More details on the NHES:95 data collection and public use data files are given in *National Household Education Survey of 1995: Adult Education Data File User's Manual* (Collins et al. 1996).

Adult Education Courses

Adult education encompasses a wide variety of courses and classes taken by adults through schools, colleges, businesses, labor or professional groups, churches, and other community organizations. These may be related to basic reading and math skills, preparing to take a high school equivalency test, English as a Second Language (ESL), getting a vocational certificate or college degree, preparing for a job or keeping up to date at work, or personal interest.

In the NHES:91 AE component, respondents reported their four most recent courses, not counting courses they took as full-time students. These courses could be in any of the areas described above.

In the NHES:95 AE component, a different approach to collecting information on AE activities was used. Specifically, information on AE activities was collected by asking about six general areas of adult education:

- English as a Second Language (ESL) courses;
- Basic skills education or GED preparation courses;
- Courses taken for credential programs, such as college degrees or vocational/technical diplomas;
- Apprenticeship programs;
- Courses taken for career- or job-related purposes; or
- Other formal structured courses where there was an instructor, also called personal interest or personal development courses.

Information was collected on individual courses in three of these six areas: courses taken on a part-time basis toward a college degree or a vocational certificate; work-related courses; and other formal structured courses (personal interest or personal development).

Course Codes

In order to provide data users with enhanced ability to use the course information for analysis, it was decided to code the subject matter of AE courses for the NHES:91 and the NHES:95. Supplementary data files for each survey year include the codes for the courses taken. A course coding scheme containing 43 coding categories was developed for the purpose of coding the courses reported in the NHES AE components. This coding scheme is an aggregated form of the College Course Map (CCM) (Adelman 1995); hence, the conceptual foundation for this coding scheme relies heavily on the work of Cliff Adelman. Detailed information on the coding scheme and the decision rules used in coding the AE courses is found in a manual developed for this purpose: *National Household Education Survey of 1995: Adult Education Course Coding Manual* (Kim et al. 1997).

Merge Files

The course code merge files contain the course code variables for each reported course. It is important to note that the course code merge files cannot be used by themselves for any analysis. Instead, these merge files are designed to be used with the AE public data files (i.e., NHES:91 Adult file, NHES:91 Course file, or NHES:95 AE file). The table below shows the relationships between the NHES public data files and course code merge files. The National Household Education Survey Data Files and Electronic CodeBook (ECB) are provided on CD-ROM. A subdirectory on the CD-ROM (\CRSMERGE)

contains the course code data files. In addition, the subdirectory contains merge programs for SAS, SPSS for DOS, and SPSS for Windows, and documentation on the file. This documentation is in WordPerfect 5.1 for DOS; however, Word for Windows, another commonly used word processing program, is able to import WordPerfect 5.1 files.

NHES Component	Public Data File	Course Code Merge File
NHES:91 AE, Adult	91ADULT.DAT	CC91A.DAT
NHES:91 AE, Course	91COURSE.DAT	CC91C.DAT
NHES:95 AE	95ADULT.DAT	CC95.DAT

A brief explanation of how to merge the course code files to the AE public data files is provided below. In this example, the NHES:95 AE SAS merge program is used. The SPSS merge programs can be used in the same way as this example substituting the desired course code merge files and the NHES AE public data sets.

1. Using the National Household Education Survey Data Files and Electronic Codebook on CD-ROM, select the variables of interest for your analysis and extract the SAS command file to create the analysis data file. Be sure that the SAS extract file includes the full sample weight (AEWEIGHT for the NHES:95). Refer to *NHES:91/93/95/96 Electronic CodeBook (ECB) User's Guide* (Collins and Chandler 1997) for details on using the Electronic CodeBook.

2. Add the SAS merge program for the NHES:95 course codes (CC95.SAS) to the end of the SAS command file you created from the Electronic CodeBook.

3. Modify your SAS program (e.g., PROC statements) to include the analyses of interest to you.

A sample program is shown below.

SAS Example

The following is a SAS merge program example.

```
/*                                                    THIS PORTION IS CREATED BY
 * SAS program to create extract file                 USING THE ECB.
 */

   PROC FORMAT /* LIBRARY=library */ ;
     VALUE  STNDFMT
           -1 = 'INAPPLICABLE'
;
     VALUE  SEX
           -1 = 'INAPPLICABLE'
           -7 = 'REFUSED'
           -8 = 'DK'
           -9 = 'NOT ASCERTAINED'
            1 = 'MALE'
            2 = 'FEMALE'
;
```

```
      VALUE  RACE
            -1 = 'INAPPLICABLE'
            -7 = 'REFUSED'
            -8 = 'DK'
            -9 = 'NOT ASCERTAINED'
             1 = 'WHITE'
             2 = 'BLACK'
             3 = 'AMERICAN INDIAN OR ALASKAN NATIVE'
             4 = 'ASIAN OR PACIFIC ISLANDER'
            91 = 'SOME OTHER RACE'
  ;

      VALUE  YESNO
            -1 = 'INAPPLICABLE'
            -7 = 'REFUSED'
            -8 = 'DK'
            -9 = 'NOT ASCERTAINED'
             1 = 'YES'
             2 = 'NO'
  ;
      VALUE  DYESNO
             0 = 'NO'
             1 = 'YES'
  ;
Run;

FILENAME datfile 'D:\95ADULT.DAT';
LIBNAME  workdir 'C:\ECB\WORK\';

DATA workdir.EXTRACT;
   INFILE datfile LRECL=1003  N=4 ;
   INPUT
  #1
      @1      BASMID     12.
      @17     AGE        2.
      @19     SEX        2.
      @878    ARACE      2.
      @880    AHISPANI   2.
  #2
      @24     AEPARANY   2.
  #3
      @1      AEWEIGHT   9.3
  #4      ;

   LABEL
      BASMID   = "ADULT CASE IDENTIFICATION"
      AGE      = "AGE AT SCREENER"
      SEX      = "GENDER AT SCREENER"
      ARACE    = "I2-RACE OF RESPONDENT"
      AHISPANI = "I3-HISPANIC ORIGIN"
      AEPARANY = "D-PARTICIPATION-ALL TYPES OF ADULE EDUC"
      AEWEIGHT = "FINAL RAKED WEIGHT"
      ;
    /*  FORMAT
      AGE             STNDFMT.
      SEX                SEX.
      ARACE             RACE.
      AHISPANI         YESNO.
      AEPARANY        DYESNO.
      ;    */
   IF ( (AGE GE 16) AND
        (AEPARANY EQ 1 OR
            AEPARANY EQ 0) );

RUN;

PROC CONTENTS
   DATA=workdir.EXTRACT;
RUN;
```

11

```
/* PROC FREQ  DATA=workdir.EXTRACT;
    TABLES
   AGE       SEX       ARACE     AHISPANI  AEPARANY
/MISSING;
 RUN;
 */

/* PROC MEANS  DATA=workdir.EXTRACT;
      VAR AEWEIGHT;
 RUN;
 */


/* NHES:95 COURSE CODE MERGE PROGRAM*/                THIS PORTION IS CONTAINED IN
                                                      THE COURSE CODE MERGE FILE
                                                      (CC95.SAS).

  /* NHES:95 COURSE CODE MERGE PROGRAM*/

  FILENAME CC95 'D:\CRSMERGE\CC95.DAT';

  PROC  FORMAT;
  VALUE CC
     -1  = "-1  INAPPLICABLE"
     010 = "010 Agriculture"
     021 = "021 Liberal Arts"
     022 = "022 English Language"
     023 = "023 Foreign Languages"
     024 = "024 Liberal Arts: other"
     031 = "031 Social Sciences"
     032 = "032 Communications"
     033 = "033 Law"
     034 = "034 Psychology"
     035 = "035 Protective Serv"
     036 = "036 Public Adm & Serv"
     037 = "037 Social Science: other"
     041 = "041 Special Bus Market"
     042 = "042 Real Est/Insurance"
     043 = "043 Bus Marketing Mgmt"
     044 = "044 Bus Acc & Finance"
     045 = "045 Business Mgmt"
     046 = "046 Bus Adm Sup"
     047 = "047 Bus Compu Software"
     048 = "048 Business: other"
     051 = "051 Compu Sci/Systems"
     060 = "060 Education"
     070 = "070 Engineering"
     081 = "081 Voc/Personal Serv"
     082 = "082 Home Economics"
     083 = "083 Vocational: other"
     091 = "091 Sciences"
     092 = "092 Mathematics"
     093 = "093 Math & Sci: other"
     102 = "102 Self/Interpersonal"
     104 = "104 Fine/Perform Arts"
     105 = "105 Phy Ed & Leisure"
     106 = "106 Arts/Leisure: other"
     111 = "111 Health Sciences"
     112 = "112 Allied Health"
     113 = "113 Self-Help Health"
     114 = "114 Health: other"
     121 = "121 Religion & Phil"
     122 = "122 Informal Religion"
     123 = "123 Religion: other"
     131 = "131 Basic Education"
     140 = "140 Interdisciplinary"
     150 = "150 Indeterminable"
  ;
  RUN;
```

```
DATA CC95;
INFILE CC95 LRECL=117;
INPUT @1   BASMID    12.
      @13  CR1CRS1    3.
      @16  CR1CRS2    3.
      @19  CR1CRS3    3.
      @22  CR1CRS4    3.
      @25  CR1CRS5    3.
      @28  CR1CRS6    3.
      @31  CR1CRS7    3.
      @34  CR1CRS8    3.
      @37  CR1CRS9    3.
      @40  CR1CRS10   3.
      @43  CR1CRS11   3.
      @46  CR1CRS12   3.
      @49  CR1CRS13   3.
      @52  CR1CRS14   3.
      @55  CR2CRS1    3.
      @58  CR2CRS2    3.
      @61  CR2CRS3    3.
      @64  CR2CRS4    3.
      @67  CR2CRS5    3.
      @70  CR2CRS6    3.
      @73  CR2CRS7    3.
      @76  CR2CRS8    3.
      @79  CR2CRS9    3.
      @82  CR2CRS10   3.
      @85  CR3CRS1    3.
      @88  CR3CRS2    3.
      @91  WRCRS1     3.
      @94  WRCRS2     3.
      @97  WRCRS3     3.
      @100 WRCRS4     3.
      @103 WRCRS5     3.
      @106 WRCRS6     3.
      @109 SACRS1     3.
      @112 SACRS2     3.
      @115 SACRS3     3.;

LABEL
 BASMID    = "ADULT CASE IDENTIFICATION"
 CR1CRS1   = "COURSE CODE FOR CRED1-CRSE #1"
 CR1CRS2   = "COURSE CODE FOR CRED1-CRSE #2"
 CR1CRS3   = "COURSE CODE FOR CRED1-CRSE #3"
 CR1CRS4   = "COURSE CODE FOR CRED1-CRSE #4"
 CR1CRS5   = "COURSE CODE FOR CRED1-CRSE #5"
 CR1CRS6   = "COURSE CODE FOR CRED1-CRSE #6"
 CR1CRS7   = "COURSE CODE FOR CRED1-CRSE #7"
 CR1CRS8   = "COURSE CODE FOR CRED1-CRSE #8"
 CR1CRS9   = "COURSE CODE FOR CRED1-CRSE #9"
 CR1CRS10  = "COURSE CODE FOR CRED1-CRSE #10"
 CR1CRS11  = "COURSE CODE FOR CRED1-CRSE #11"
 CR1CRS12  = "COURSE CODE FOR CRED1-CRSE #12"
 CR1CRS13  = "COURSE CODE FOR CRED1-CRSE #13"
 CR1CRS14  = "COURSE CODE FOR CRED1-CRSE #14"
 CR2CRS1   = "COURSE CODE FOR CRED2-CRSE #1"
 CR2CRS2   = "COURSE CODE FOR CRED2-CRSE #2"
 CR2CRS3   = "COURSE CODE FOR CRED2-CRSE #3"
 CR2CRS4   = "COURSE CODE FOR CRED2-CRSE #4"
 CR2CRS5   = "COURSE CODE FOR CRED2-CRSE #5"
 CR2CRS6   = "COURSE CODE FOR CRED2-CRSE #6"
 CR2CRS7   = "COURSE CODE FOR CRED2-CRSE #7"
 CR2CRS8   = "COURSE CODE FOR CRED2-CRSE #8"
 CR2CRS9   = "COURSE CODE FOR CRED2-CRSE #9"
 CR2CRS10  = "COURSE CODE FOR CRED2-CRSE #10"
 CR3CRS1   = "COURSE CODE FOR CRED3-CRSE #1"
 CR3CRS2   = "COURSE CODE FOR CRED3-CRSE #2"
 WRCRS1    = "COURSE CODE FOR WORK-REL #1"
 WRCRS2    = "COURSE CODE FOR WORK-REL #2"
 WRCRS3    = "COURSE CODE FOR WORK-REL #3"
 WRCRS4    = "COURSE CODE FOR WORK-REL #4"
 WRCRS5    = "COURSE CODE FOR WORK-REL #5"
 WRCRS6    = "COURSE CODE FOR WORK-REL #6"
```

```
 SACRS1    = "COURSE CODE FOR STRUCT CRSE #1"
 SACRS2    = "COURSE CODE FOR STRUCT CRSE #2"
 SACRS3    = "COURSE CODE FOR STRUCT CRSE #3"
;

FORMAT
CR1CRS1  CR1CRS2  CR1CRS3  CR1CRS4  CR1CRS5  CR1CRS6  CR1CRS7
CR1CRS8  CR1CRS9  CR1CRS10 CR1CRS11 CR1CRS12 CR1CRS13 CR1CRS14
CR2CRS1  CR2CRS2  CR2CRS3  CR2CRS4  CR2CRS5  CR2CRS6  CR2CRS7
CR2CRS8  CR2CRS9  CR2CRS10
CR3CRS1  CR3CRS2
WRCRS1   WRCRS2   WRCRS3   WRCRS4   WRCRS5   WRCRS6
SACRS1   SACRS2   SACRS3
CC.;
RUN;

DATA MERGED;
MERGE WORKDIR.EXTRACT (IN=INA) CC95 (IN=INCC);
BY BASMID;
RUN;

PROC CONTENTS;
RUN;

PROC FREQ DATA=MERGED;
TABLES
CR1CRS1  CR1CRS2  CR1CRS3  CR1CRS4  CR1CRS5  CR1CRS6  CR1CRS7
CR1CRS8  CR1CRS9  CR1CRS10 CR1CRS11 CR1CRS12 CR1CRS13 CR1CRS14
CR2CRS1  CR2CRS2  CR2CRS3  CR2CRS4  CR2CRS5  CR2CRS6  CR2CRS7
CR2CRS8  CR2CRS9  CR2CRS10
CR3CRS1  CR3CRS2
WRCRS1   WRCRS2   WRCRS3   WRCRS4   WRCRS5   WRCRS6
SACRS1   SACRS2   SACRS3
;
RUN;


PROC FREQ;                                          YOUR ANALYSIS
TABLES SEX * WRCRS1/LIST;
WEIGHT AEWEIGHT;
RUN;
```

The following sections contain the file layouts in position order for the course code merge files (Appendix A) and the codebooks showing weighted and unweighted frequencies of each course code variable (Appendix B).

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REFERENCES

Adelman, C. (1995). *The New College Course Map and Transcript Files*. U.S. Department of Education. Washington, DC.

Brick, J.M., Collins, A.M., Celebuski, C.A., Nolin, M.J., Squadere, T.A., Ha, P.C., Wernimont, J., West, J., Chandler, K., Hausken, E.G., and Owings, J. (1992). *National Household Education Survey of 1991: Adult and Course Data File User's Manual*. NCES Publication No. 92-019. Washington, DC: U.S. Department of Education, National Center for Education Statistics.

Collins, A.M., Brick, J.M., Kim, K., Gilmore, S., and Stowe, P. (1996). *National Household Education Survey of 1995: Adult Education Data File User's Manual*. NCES Publication No. 96-826. Washington, DC: U.S. Department of Education, National Center for Education Statistics.

Collins, M.A. and Chandler, K. (1997). *NHES:91/93/95/96 Electronic CodeBook (ECB) User's Guide*. NCES Publication No. 97-420. Washington, DC: U.S. Department of Education, National Center for Education Statistics.

Kim, K., Collins, M.A., and Stowe, P. (1997). *National Household Education Survey of 1995: Adult Education Course Coding Manual*. NCES Working Paper 97-19. Washington, DC: U.S. Department of Education, National Center for Education Statistics.

APPENDIX A

Adult Education Course Code Merge Files
File Layout in Position Order

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NHES:91 Adult Education, Adult Data File
Course Code Merge File Layout in Position Order

The following is the layout of course code variables for the NHES:91 merge file that is compatible with the NHES:91 AE, Adult data file; that is, the file that contains one record for each adult.

VARIABLE NAME	VARIABLE LABEL	FORMAT	RECORD LENGTH	LENGTH	START COLUMN	END COLUMN
PERSID	PERS KEY = BASEID || 2-DIGIT PERSNUM	A	1	9	1	9
CRSCODE1	COURSE CODE FOR COURSE #1	N	1	3	10	12
CRSCODE2	COURSE CODE FOR COURSE #2	N	1	3	13	15
CRSCODE3	COURSE CODE FOR COURSE #3	N	1	3	16	18
CRSCODE4	COURSE CODE FOR COURSE #4	N	1	3	19	21

NHES:91 Adult Education, Course Data File
Course Code Merge File Layout in Position Order

The following is the layout of course code variables for the NHES:91 merge file that is compatible with the NHES:91 AE, Course data file; that is, the file that contains one record for each reported course.

VARIABLE NAME	VARIABLE LABEL	FORMAT	RECORD LENGTH	LENGTH	START COLUMN	END COLUMN
CLASID	CLAS KEY = ADLTID || 2-DIGIT SEQUENTIAL#	A	1	11	1	11
CRSECODE	COURSE CODE	N	1	3	12	14

NHES:95 Adult Education
Course Code Merge File Layout in Position Order

The following is the layout of course code variables for the NHES:95 merge file that is compatible with the NHES:95 AE data file; that is, the file that contains one record for each adult.

VARIABLE NAME	VARIABLE LABEL	FORMAT	RECORD LENGTH	LENGTH	START COLUMN	END COLUMN
BASMID	ADULT CASE IDENTIFICATION	N	1	12	1	12
CR1CRS1	COURSE CODE FOR CRED1-CRSE #1	N	1	3	13	15
CR1CRS2	COURSE CODE FOR CRED1-CRSE #2	N	1	3	16	18
CR1CRS3	COURSE CODE FOR CRED1-CRSE #3	N	1	3	19	21
CR1CRS4	COURSE CODE FOR CRED1-CRSE #4	N	1	3	22	24
CR1CRS5	COURSE CODE FOR CRED1-CRSE #5	N	1	3	25	27
CR1CRS6	COURSE CODE FOR CRED1-CRSE #6	N	1	3	28	30
CR1CRS7	COURSE CODE FOR CRED1-CRSE #7	N	1	3	31	33
CR1CRS8	COURSE CODE FOR CRED1-CRSE #8	N	1	3	34	36
CR1CRS9	COURSE CODE FOR CRED1-CRSE #9	N	1	3	37	39
CR1CRS10	COURSE CODE FOR CRED1-CRSE #10	N	1	3	40	42
CR1CRS11	COURSE CODE FOR CRED1-CRSE #11	N	1	3	43	45
CR1CRS12	COURSE CODE FOR CRED1-CRSE #12	N	1	3	46	48
CR1CRS13	COURSE CODE FOR CRED1-CRSE #13	N	1	3	49	51
CR1CRS14	COURSE CODE FOR CRED1-CRSE #14	N	1	3	52	54
CR2CRS1	COURSE CODE FOR CRED2-CRSE #1	N	1	3	55	57
CR2CRS2	COURSE CODE FOR CRED2-CRSE #2	N	1	3	58	60
CR2CRS3	COURSE CODE FOR CRED2-CRSE #3	N	1	3	61	63
CR2CRS4	COURSE CODE FOR CRED2-CRSE #4	N	1	3	64	66
CR2CRS5	COURSE CODE FOR CRED2-CRSE #5	N	1	3	67	69
CR2CRS6	COURSE CODE FOR CRED2-CRSE #6	N	1	3	70	72
CR2CRS7	COURSE CODE FOR CRED2-CRSE #7	N	1	3	73	75
CR2CRS8	COURSE CODE FOR CRED2-CRSE #8	N	1	3	76	78
CR2CRS9	COURSE CODE FOR CRED2-CRSE #9	N	1	3	79	81
CR2CRS10	COURSE CODE FOR CRED2-CRSE #10	N	1	3	82	84
CR3CRS1	COURSE CODE FOR CRED3-CRSE #1	N	1	3	85	87
CR3CRS2	COURSE CODE FOR CRED3-CRSE #2	N	1	3	88	90
WRCRS1	COURSE CODE FOR WORK-REL #1	N	1	3	91	93
WRCRS2	COURSE CODE FOR WORK-REL #2	N	1	3	94	96
WRCRS3	COURSE CODE FOR WORK-REL #3	N	1	3	97	99
WRCRS4	COURSE CODE FOR WORK-REL #4	N	1	3	100	102
WRCRS5	COURSE CODE FOR WORK-REL #5	N	1	3	103	105
WRCRS6	COURSE CODE FOR WORK-REL #6	N	1	3	106	108
SACRS1	COURSE CODE FOR STRUCT CRSE #1	N	1	3	109	111
SACRS2	COURSE CODE FOR STRUCT CRSE #2	N	1	3	112	114
SACRS3	COURSE CODE FOR STRUCT CRSE #3	N	1	3	115	117

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APPENDIX B

Adult Education Course Code Merge Files Codebook

NHES:91 Adult Education, Adult Data File
Course Code Merge File Codebook

PERSID = PERS KEY = BASEID || 2-DIGIT PERSNUM

RECORD: 1 POSITION: 1-9
FORMAT: A9

CRSCODE1 = COURSE CODE FOR COURSE #1

RECORD: 1 POSITION: 10-12
FORMAT: N3

RESPONSE	CODES	FREQ	UNWGTD PERCENT	WGTD PERCENT
010 AGRICULTURE	010	92	0.7%	1.5%
021 LIBERAL ARTS	021	18	0.1%	0.2%
022 ENGLISH LANGUAGE	022	236	1.9%	2.3%
023 FOREIGN LANGUAGES	023	132	1.1%	1.4%
031 SOCIAL SCIENCES	031	165	1.3%	1.5%
032 COMMUNICATIONS	032	106	0.8%	1.1%
033 LAW	033	93	0.7%	1.0%
034 PSYCHOLOGY	034	138	1.1%	1.3%
035 PROTECTIVE SERV	035	140	1.1%	1.3%
036 PUBLIC ADM & SERV	036	108	0.9%	1.4%
037 SOCIAL SCIENCE: OTHER	037	1	0.0%	0.0%
041 SPECIAL BUS MARKET	041	139	1.1%	1.7%
042 REAL EST/INSURANCE	042	296	2.4%	3.3%
043 BUS MARKETING MGMT	043	73	0.6%	0.8%
044 BUS ACC & FINANCE	044	381	3.0%	4.6%
045 BUSINESS MGMT	045	493	3.9%	5.8%
046 BUS ADM SUP	046	220	1.8%	2.9%
047 BUS COMPU SOFTWARE	047	270	2.1%	2.7%
048 BUSINESS: OTHER	048	103	0.8%	1.2%
051 COMPU SCI/SYSTEMS	051	689	5.5%	7.7%
060 EDUCATION	060	475	3.8%	5.1%
070 ENGINEERING	070	250	2.0%	3.5%
081 VOC/PERSONAL SERV	081	664	5.3%	8.6%
082 HOME ECONOMICS	082	229	1.8%	3.4%
091 SCIENCES	091	110	0.9%	1.0%
092 MATHEMATICS	092	196	1.6%	2.1%
102 SELF/INTERPERSONAL	102	144	1.1%	1.6%
104 FINE/PERFORM ARTS	104	126	1.0%	1.6%
105 PHY ED & LEISURE	105	424	3.4%	4.7%
111 HEALTH SCIENCES	111	260	2.1%	2.6%
112 ALLIED HEALTH	112	327	2.6%	4.0%
113 SELF-HELP HEALTH	113	331	2.6%	4.6%
114 HEALTH: OTHER	114	53	0.4%	0.6%
121 RELIGION & PHILO	121	43	0.3%	0.6%
122 INFORMAL RELIGION	122	372	3.0%	5.4%
123 RELIGION: OTHER	123	1	0.0%	0.0%
131 BASIC EDUCATION	131	225	1.8%	3.1%
140 INTERDISCIPLINARY	140	38	0.3%	0.4%
150 INDETERMINABLE	150	337	2.7%	3.6%
RESERVED CODES:				
-1 INAPPLICABLE	-1	4070	32.4%	(MISS)
TOTALS:		12568	100.0%	100.0%

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CRSCODE2 = COURSE CODE FOR COURSE #2

RECORD: 1 POSITION: 13-15
FORMAT: N3

RESPONSE	CODES	FREQ	UNWGTD PERCENT	WGTD PERCENT
010 AGRICULTURE	010	51	0.4%	1.5%
021 LIBERAL ARTS	021	10	0.1%	0.3%
022 ENGLISH LANGUAGE	022	161	1.3%	3.1%
023 FOREIGN LANGUAGES	023	47	0.4%	0.9%
031 SOCIAL SCIENCES	031	123	1.0%	2.6%
032 COMMUNICATIONS	032	60	0.5%	1.5%
033 LAW	033	74	0.6%	1.4%
034 PSYCHOLOGY	034	108	0.9%	2.1%
035 PROTECTIVE SERV	035	110	0.9%	1.8%
036 PUBLIC ADM & SERV	036	79	0.6%	1.7%
037 SOCIAL SCIENCE: OTHER	037	1	0.0%	0.0%
041 SPECIAL BUS MARKET	041	81	0.6%	1.8%
042 REAL EST/INSURANCE	042	136	1.1%	2.3%
043 BUS MARKETING MGMT	043	55	0.4%	1.9%
044 BUS ACC & FINANCE	044	212	1.7%	4.4%
045 BUSINESS MGMT	045	314	2.5%	6.7%
046 BUS ADM SUP	046	105	0.8%	2.5%
047 BUS COMPU SOFTWARE	047	136	1.1%	3.7%
048 BUSINESS: OTHER	048	58	0.5%	1.4%
051 COMPU SCI/SYSTEMS	051	338	2.7%	7.0%
060 EDUCATION	060	322	2.6%	5.6%
070 ENGINEERING	070	145	1.2%	4.5%
081 VOC/PERSONAL SERV	081	304	2.4%	6.0%
082 HOME ECONOMICS	082	126	1.0%	3.1%
091 SCIENCES	091	75	0.6%	1.6%
092 MATHEMATICS	092	116	0.9%	2.1%
102 SELF/INTERPERSONAL	102	123	1.0%	2.4%
104 FINE/PERFORM ARTS	104	66	0.5%	1.3%
105 PHY ED & LEISURE	105	194	1.5%	4.1%
111 HEALTH SCIENCES	111	184	1.5%	3.5%
112 ALLIED HEALTH	112	217	1.7%	4.3%
113 SELF-HELP HEALTH	113	140	1.1%	2.8%
114 HEALTH: OTHER	114	38	0.3%	0.8%
121 RELIGION & PHILO	121	26	0.2%	0.4%
122 INFORMAL RELIGION	122	129	1.0%	4.1%
123 RELIGION: OTHER	123	2	0.0%	0.0%
131 BASIC EDUCATION	131	55	0.4%	1.3%
140 INTERDISCIPLINARY	140	37	0.3%	0.6%
150 INDETERMINABLE	150	115	0.9%	2.4%
RESERVED CODES:				
-1 INAPPLICABLE	-1	7895	62.8%	(MISS)
TOTALS:		12568	100.0%	100.0%

CRSCODE3 = COURSE CODE FOR COURSE #3

RECORD: 1 POSITION: 16-18
FORMAT: N3

RESPONSE	CODES	FREQ	UNWGTD PERCENT	WGTD PERCENT
010 AGRICULTURE	010	25	0.2%	0.9%
021 LIBERAL ARTS	021	8	0.1%	0.4%
022 ENGLISH LANGUAGE	022	94	0.7%	3.2%
023 FOREIGN LANGUAGES	023	13	0.1%	0.3%
031 SOCIAL SCIENCES	031	91	0.7%	2.9%
032 COMMUNICATIONS	032	50	0.4%	1.9%
033 LAW	033	44	0.4%	1.4%
034 PSYCHOLOGY	034	72	0.6%	2.7%
035 PROTECTIVE SERV	035	86	0.7%	2.7%
036 PUBLIC ADM & SERV	036	45	0.4%	1.5%
041 SPECIAL BUS MARKET	041	47	0.4%	1.7%
042 REAL EST/INSURANCE	042	70	0.6%	2.3%
043 BUS MARKETING MGMT	043	18	0.1%	0.5%
044 BUS ACC & FINANCE	044	124	1.0%	4.9%
045 BUSINESS MGMT	045	212	1.7%	7.9%
046 BUS ADM SUP	046	69	0.5%	2.5%
047 BUS COMPU SOFTWARE	047	41	0.3%	1.9%
048 BUSINESS: OTHER	048	43	0.3%	1.4%
051 COMPU SCI/SYSTEMS	051	238	1.9%	7.9%
060 EDUCATION	060	241	1.9%	6.9%
070 ENGINEERING	070	92	0.7%	5.0%
081 VOC/PERSONAL SERV	081	169	1.3%	6.0%
082 HOME ECONOMICS	082	54	0.4%	2.5%
091 SCIENCES	091	47	0.4%	1.3%
092 MATHEMATICS	092	72	0.6%	2.5%
102 SELF/INTERPERSONAL	102	54	0.4%	1.6%
104 FINE/PERFORM ARTS	104	38	0.3%	1.1%
105 PHY ED & LEISURE	105	130	1.0%	3.5%
111 HEALTH SCIENCES	111	161	1.3%	5.4%
112 ALLIED HEALTH	112	147	1.2%	4.5%
113 SELF-HELP HEALTH	113	78	0.6%	3.0%
114 HEALTH: OTHER	114	17	0.1%	0.4%
121 RELIGION & PHILO	121	20	0.2%	0.5%
122 INFORMAL RELIGION	122	51	0.4%	2.1%
123 RELIGION: OTHER	123	1	0.0%	0.0%
131 BASIC EDUCATION	131	30	0.2%	0.8%
140 INTERDISCIPLINARY	140	17	0.1%	0.4%
150 INDETERMINABLE	150	102	0.8%	3.5%
RESERVED CODES:				
-1 INAPPLICABLE	-1	9657	76.8%	(MISS)
TOTALS:		12568	100.0%	100.0%

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CRSCODE4 = COURSE CODE FOR COURSE #4

RECORD: 1 POSITION: 19-21
FORMAT: N3

RESPONSE	CODES	FREQ	UNWGTD PERCENT	WGTD PERCENT
010 AGRICULTURE	010	16	0.1%	0.7%
021 LIBERAL ARTS	021	7	0.1%	0.5%
022 ENGLISH LANGUAGE	022	55	0.4%	2.5%
023 FOREIGN LANGUAGES	023	6	0.0%	0.3%
031 SOCIAL SCIENCES	031	58	0.5%	2.8%
032 COMMUNICATIONS	032	30	0.2%	1.4%
033 LAW	033	28	0.2%	1.6%
034 PSYCHOLOGY	034	39	0.3%	2.1%
035 PROTECTIVE SERV	035	55	0.4%	2.9%
036 PUBLIC ADM & SERV	036	35	0.3%	1.6%
041 SPECIAL BUS MARKET	041	26	0.2%	2.2%
042 REAL EST/INSURANCE	042	42	0.3%	2.5%
043 BUS MARKETING MGMT	043	17	0.1%	1.0%
044 BUS ACC & FINANCE	044	76	0.6%	4.0%
045 BUSINESS MGMT	045	129	1.0%	6.0%
046 BUS ADM SUP	046	48	0.4%	2.8%
047 BUS COMPU SOFTWARE	047	31	0.2%	1.4%
048 BUSINESS: OTHER	048	18	0.1%	0.8%
051 COMPU SCI/SYSTEMS	051	135	1.1%	6.6%
060 EDUCATION	060	155	1.2%	7.5%
070 ENGINEERING	070	58	0.5%	3.3%
081 VOC/PERSONAL SERV	081	93	0.7%	5.0%
082 HOME ECONOMICS	082	47	0.4%	3.8%
091 SCIENCES	091	28	0.2%	1.5%
092 MATHEMATICS	092	48	0.4%	3.0%
093 MATH & SCI: OTHER	093	1	0.0%	0.1%
102 SELF/INTERPERSONAL	102	40	0.3%	2.1%
104 FINE/PERFORM ARTS	104	25	0.2%	2.0%
105 PHY ED & LEISURE	105	70	0.6%	4.5%
111 HEALTH SCIENCES	111	112	0.9%	6.5%
112 ALLIED HEALTH	112	85	0.7%	5.2%
113 SELF-HELP HEALTH	113	62	0.5%	3.2%
114 HEALTH: OTHER	114	15	0.1%	0.7%
121 RELIGION & PHILO	121	17	0.1%	0.8%
122 INFORMAL RELIGION	122	30	0.2%	1.6%
131 BASIC EDUCATION	131	18	0.1%	0.9%
140 INTERDISCIPLINARY	140	8	0.1%	0.7%
150 INDETERMINABLE	150	76	0.6%	4.0%
RESERVED CODES:				
-1 INAPPLICABLE	-1	10729	85.4%	(MISS)
TOTALS:		12568	100.0%	100.0%

CLASID = CLAS KEY = ADLTID || 2-DIGIT SEQUENTIAL#

RECORD: 1 POSITION: 1-11
FORMAT: A11

CRSECODE = COURSE CODE

RECORD: 1 POSITION: 12-14
FORMAT: N3

RESPONSE	CODES	FREQ	UNWGTD PERCENT	WGTD PERCENT
010 AGRICULTURE	010	184	1.0%	1.3%
021 LIBERAL ARTS	021	43	0.2%	0.3%
022 ENGLISH LANGUAGE	022	546	3.1%	2.7%
023 FOREIGN LANGUAGES	023	198	1.1%	1.0%
031 SOCIAL SCIENCES	031	437	2.5%	2.2%
032 COMMUNICATIONS	032	246	1.4%	1.4%
033 LAW	033	239	1.4%	1.2%
034 PSYCHOLOGY	034	357	2.0%	1.8%
035 PROTECTIVE SERV	035	391	2.2%	1.8%
036 PUBLIC ADM & SERV	036	267	1.5%	1.5%
037 SOCIAL SCIENCE: OTHER	037	2	0.0%	0.0%
041 SPECIAL BUS MARKET	041	293	1.7%	1.8%
042 REAL EST/INSURANCE	042	544	3.1%	2.9%
043 BUS MARKETING MGMT	043	163	0.9%	1.1%
044 BUS ACC & FINANCE	044	793	4.5%	4.6%
045 BUSINESS MGMT	045	1148	6.5%	6.5%
046 BUS ADM SUP	046	442	2.5%	2.8%
047 BUS COMPU SOFTWARE	047	478	2.7%	2.8%
048 BUSINESS: OTHER	048	222	1.3%	1.3%
051 COMPU SCI/SYSTEMS	051	1400	7.9%	7.6%
060 EDUCATION	060	1193	6.8%	5.9%
070 ENGINEERING	070	545	3.1%	4.0%
081 VOC/PERSONAL SERV	081	1230	7.0%	7.3%
082 HOME ECONOMICS	082	456	2.6%	3.3%
091 SCIENCES	091	260	1.5%	1.2%
092 MATHEMATICS	092	432	2.5%	2.3%
093 MATH & SCI: OTHER	093	1	0.0%	0.0%
102 SELF/INTERPERSONAL	102	361	2.0%	1.9%
104 FINE/PERFORM ARTS	104	255	1.4%	1.5%
105 PHY ED & LEISURE	105	818	4.6%	4.4%
111 HEALTH SCIENCES	111	717	4.1%	3.7%
112 ALLIED HEALTH	112	776	4.4%	4.3%
113 SELF-HELP HEALTH	113	611	3.5%	3.8%
114 HEALTH: OTHER	114	123	0.7%	0.7%
121 RELIGION & PHILO	121	106	0.6%	0.6%
122 INFORMAL RELIGION	122	582	3.3%	4.2%
123 RELIGION: OTHER	123	4	0.0%	0.0%
131 BASIC EDUCATION	131	328	1.9%	2.1%
140 INTERDISCIPLINARY	140	100	0.6%	0.5%
150 INDETERMINABLE	150	321	1.8%	1.6%
TOTALS:		17612	100.0%	100.0%

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BASMID = ADULT CASE IDENTIFICATION

RECORD: 1 POSITION: 1-12
FORMAT: N12

CR1CRS1 = COURSE CODE FOR CRED1-CRSE #1

RECORD: 1 POSITION: 13-15
FORMAT: N3

RESPONSE	CODES	FREQ	UNWGTD PERCENT	WGTD PERCENT
-1 INAPPLICABLE	-1	17941	91.0%	(MISS)
010 AGRICULTURE	10	7	0.0%	0.4%
021 LIBERAL ARTS	21	1	0.0%	0.1%
022 ENGLISH LANGUAGE	22	114	0.6%	6.1%
023 FOREIGN LANGUAGES	23	27	0.1%	1.6%
024 LIBERAL ARTS: OTHER	24	1	0.0%	0.1%
031 SOCIAL SCIENCES	31	106	0.5%	5.8%
032 COMMUNICATIONS	32	43	0.2%	2.6%
033 LAW	33	17	0.1%	0.8%
034 PSYCHOLOGY	34	88	0.4%	4.5%
035 PROTECTIVE SERV	35	32	0.2%	2.1%
036 PUBLIC ADM & SERV	36	13	0.1%	0.7%
041 SPECIAL BUS MARKET	41	6	0.0%	0.2%
042 REAL EST/INSURANCE	42	31	0.2%	1.7%
043 BUS MARKETING MGMT	43	19	0.1%	1.1%
044 BUS ACC & FINANCE	44	105	0.5%	5.4%
045 BUSINESS MGMT	45	131	0.7%	7.3%
046 BUS ADM SUP	46	23	0.1%	1.4%
047 BUS COMPU SOFTWARE	47	15	0.1%	0.8%
048 BUSINESS: OTHER	48	4	0.0%	0.2%
051 COMPU SCI/SYSTEMS	51	123	0.6%	6.7%
060 EDUCATION	60	161	0.8%	8.3%
070 ENGINEERING	70	55	0.3%	3.4%
081 VOC/PERSONAL SERV	81	115	0.6%	7.3%
082 HOME ECONOMICS	82	27	0.1%	1.7%
091 SCIENCES	91	118	0.6%	6.5%
092 MATHEMATICS	92	108	0.5%	6.1%
093 MATH & SCI: OTHER	93	1	0.0%	0.0%
102 SELF/INTERPERSONAL	102	8	0.0%	0.5%
104 FINE/PERFORM ARTS	104	39	0.2%	2.1%
105 PHY ED & LEISURE	105	8	0.0%	0.6%
111 HEALTH SCIENCES	111	33	0.2%	1.7%
112 ALLIED HEALTH	112	63	0.3%	4.2%
113 SELF-HELP HEALTH	113	10	0.1%	0.8%
114 HEALTH: OTHER	114	9	0.0%	0.4%
121 RELIGION & PHIL	121	32	0.2%	1.9%
122 INFORMAL RELIGION	122	2	0.0%	0.1%
131 BASIC EDUCATION	131	12	0.1%	0.7%
140 INTERDISCIPLINARY	140	24	0.1%	1.5%
150 INDETERMINABLE	150	50	0.3%	2.9%
TOTALS:		19722	100.0%	100.0%

CR1CRS2 = COURSE CODE FOR CRED1-CRSE #2

RECORD: 1 POSITION: 16-18
FORMAT: N3

RESPONSE	CODES	FREQ	UNWGTD PERCENT	WGTD PERCENT
-1 INAPPLICABLE	-1	18499	93.8%	(MISS)
010 AGRICULTURE	10	4	0.0%	0.3%
021 LIBERAL ARTS	21	6	0.0%	0.5%
022 ENGLISH LANGUAGE	22	82	0.4%	6.5%
023 FOREIGN LANGUAGES	23	13	0.1%	1.0%
031 SOCIAL SCIENCES	31	84	0.4%	6.6%
032 COMMUNICATIONS	32	32	0.2%	2.8%
033 LAW	33	15	0.1%	1.1%
034 PSYCHOLOGY	34	69	0.3%	5.1%
035 PROTECTIVE SERV	35	18	0.1%	1.8%
036 PUBLIC ADM & SERV	36	12	0.1%	1.2%
041 SPECIAL BUS MARKET	41	5	0.0%	0.5%
042 REAL EST/INSURANCE	42	13	0.1%	1.2%
043 BUS MARKETING MGMT	43	18	0.1%	1.5%
044 BUS ACC & FINANCE	44	65	0.3%	5.3%
045 BUSINESS MGMT	45	90	0.5%	7.3%
046 BUS ADM SUP	46	21	0.1%	1.9%
047 BUS COMPU SOFTWARE	47	17	0.1%	1.3%
048 BUSINESS: OTHER	48	4	0.0%	0.3%
051 COMPU SCI/SYSTEMS	51	88	0.4%	7.0%
060 EDUCATION	60	121	0.6%	9.6%
070 ENGINEERING	70	34	0.2%	2.6%
081 VOC/PERSONAL SERV	81	50	0.3%	4.6%
082 HOME ECONOMICS	82	17	0.1%	1.1%
091 SCIENCES	91	71	0.4%	6.0%
092 MATHEMATICS	92	108	0.5%	9.1%
093 MATH & SCI: OTHER	93	1	0.0%	0.2%
102 SELF/INTERPERSONAL	102	6	0.0%	0.4%
104 FINE/PERFORM ARTS	104	27	0.1%	2.2%
105 PHY ED & LEISURE	105	7	0.0%	0.6%
111 HEALTH SCIENCES	111	18	0.1%	1.7%
112 ALLIED HEALTH	112	28	0.1%	2.5%
113 SELF-HELP HEALTH	113	7	0.0%	0.8%
114 HEALTH: OTHER	114	1	0.0%	0.1%
121 RELIGION & PHIL	121	22	0.1%	1.8%
122 INFORMAL RELIGION	122	3	0.0%	0.2%
131 BASIC EDUCATION	131	4	0.0%	0.3%
140 INTERDISCIPLINARY	140	11	0.1%	0.9%
150 INDETERMINABLE	150	31	0.2%	2.3%
TOTALS:		19722	100.0%	100.0%

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CR1CRS3 = COURSE CODE FOR CRED1-CRSE #3

RECORD: 1 POSITION: 19-21
FORMAT: N3

RESPONSE	CODES	FREQ	UNWGTD PERCENT	WGTD PERCENT
-1 INAPPLICABLE	-1	18959	96.1%	(MISS)
010 AGRICULTURE	10	3	0.0%	0.3%
021 LIBERAL ARTS	21	3	0.0%	0.4%
022 ENGLISH LANGUAGE	22	55	0.3%	7.0%
023 FOREIGN LANGUAGES	23	8	0.0%	1.2%
031 SOCIAL SCIENCES	31	56	0.3%	7.4%
032 COMMUNICATIONS	32	16	0.1%	2.3%
033 LAW	33	16	0.1%	2.1%
034 PSYCHOLOGY	34	38	0.2%	5.2%
035 PROTECTIVE SERV	35	9	0.0%	1.3%
036 PUBLIC ADM & SERV	36	7	0.0%	0.9%
041 SPECIAL BUS MARKET	41	5	0.0%	0.6%
042 REAL EST/INSURANCE	42	10	0.1%	1.4%
043 BUS MARKETING MGMT	43	11	0.1%	1.3%
044 BUS ACC & FINANCE	44	34	0.2%	4.0%
045 BUSINESS MGMT	45	53	0.3%	7.4%
046 BUS ADM SUP	46	12	0.1%	1.5%
047 BUS COMPU SOFTWARE	47	14	0.1%	1.6%
051 COMPU SCI/SYSTEMS	51	56	0.3%	7.4%
060 EDUCATION	60	69	0.3%	8.3%
070 ENGINEERING	70	24	0.1%	3.0%
081 VOC/PERSONAL SERV	81	32	0.2%	4.6%
082 HOME ECONOMICS	82	16	0.1%	2.1%
091 SCIENCES	91	44	0.2%	6.1%
092 MATHEMATICS	92	59	0.3%	7.4%
102 SELF/INTERPERSONAL	102	5	0.0%	0.6%
104 FINE/PERFORM ARTS	104	16	0.1%	2.0%
105 PHY ED & LEISURE -	105	12	0.1%	1.6%
111 HEALTH SCIENCES	111	15	0.1%	2.2%
112 ALLIED HEALTH	112	22	0.1%	3.3%
113 SELF-HELP HEALTH	113	5	0.0%	0.9%
114 HEALTH: OTHER	114	1	0.0%	0.1%
121 RELIGION & PHIL	121	17	0.1%	2.2%
122 INFORMAL RELIGION	122	1	0.0%	0.1%
131 BASIC EDUCATION	131	3	0.0%	0.2%
140 INTERDISCIPLINARY	140	7	0.0%	1.1%
150 INDETERMINABLE	150	9	0.0%	1.0%
TOTALS:		19722	100.0%	100.0%

CR1CRS4 = COURSE CODE FOR CRED1-CRSE #4

RECORD: 1 POSITION: 22-24
FORMAT: N3

RESPONSE	CODES	FREQ	UNWGTD PERCENT	WGTD PERCENT
-1 INAPPLICABLE	-1	19256	97.6%	(MISS)
010 AGRICULTURE	10	3	0.0%	0.5%
022 ENGLISH LANGUAGE	22	41	0.2%	8.9%
023 FOREIGN LANGUAGES	23	3	0.0%	0.5%
031 SOCIAL SCIENCES	31	33	0.2%	6.6%
032 COMMUNICATIONS	32	16	0.1%	3.7%
033 LAW	33	13	0.1%	2.6%
034 PSYCHOLOGY	34	24	0.1%	5.6%
035 PROTECTIVE SERV	35	7	0.0%	1.4%
036 PUBLIC ADM & SERV	36	4	0.0%	0.9%
037 SOCIAL SCIENCE: OTHER	37	1	0.0%	0.1%
041 SPECIAL BUS MARKET	41	2	0.0%	1.0%
042 REAL EST/INSURANCE	42	5	0.0%	1.2%
043 BUS MARKETING MGMT	43	7	0.0%	1.8%
044 BUS ACC & FINANCE	44	17	0.1%	3.4%
045 BUSINESS MGMT	45	32	0.2%	7.2%
046 BUS ADM SUP	46	9	0.0%	1.9%
047 BUS COMPU SOFTWARE	47	7	0.0%	1.3%
048 BUSINESS: OTHER	48	3	0.0%	0.5%
051 COMPU SCI/SYSTEMS	51	33	0.2%	6.8%
060 EDUCATION	60	32	0.2%	6.5%
070 ENGINEERING	70	9	0.0%	2.1%
081 VOC/PERSONAL SERV	81	21	0.1%	4.3%
082 HOME ECONOMICS	82	10	0.1%	2.3%
083 VOCATIONAL: OTHER	83	1	0.0%	0.2%
091 SCIENCES	91	33	0.2%	7.3%
092 MATHEMATICS	92	31	0.2%	6.6%
104 FINE/PERFORM ARTS	104	10	0.1%	2.5%
105 PHY ED & LEISURE	105	7	0.0%	1.2%
111 HEALTH SCIENCES	111	8	0.0%	2.0%
112 ALLIED HEALTH	112	12	0.1%	3.2%
113 SELF-HELP HEALTH	113	2	0.0%	0.5%
114 HEALTH: OTHER	114	3	0.0%	0.5%
121 RELIGION & PHIL	121	12	0.1%	2.3%
122 INFORMAL RELIGION	122	1	0.0%	0.1%
131 BASIC EDUCATION	131	4	0.0%	0.7%
140 INTERDISCIPLINARY	140	3	0.0%	0.7%
150 INDETERMINABLE	150	7	0.0%	1.0%
TOTALS:		19722	100.0%	100.0%

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CR1CRS5 - COURSE CODE FOR CRED1-CRSE #5

RECORD: 1 POSITION: 25-27
FORMAT: N3

RESPONSE	CODES	FREQ	UNWGTD PERCENT	WGTD PERCENT
-1 INAPPLICABLE	-1	19446	98.6%	(MISS)
010 AGRICULTURE	10	1	0.0%	0.5%
021 LIBERAL ARTS	21	1	0.0%	0.2%
022 ENGLISH LANGUAGE	22	20	0.1%	7.9%
023 FOREIGN LANGUAGES	23	2	0.0%	0.8%
031 SOCIAL SCIENCES	31	25	0.1%	8.4%
032 COMMUNICATIONS	32	5	0.0%	2.0%
033 LAW	33	11	0.1%	3.8%
034 PSYCHOLOGY	34	23	0.1%	8.0%
035 PROTECTIVE SERV	35	4	0.0%	1.4%
036 PUBLIC ADM & SERV	36	3	0.0%	1.0%
041 SPECIAL BUS MARKET	41	1	0.0%	0.3%
042 REAL EST/INSURANCE	42	1	0.0%	0.4%
043 BUS MARKETING MGMT	43	7	0.0%	2.5%
044 BUS ACC & FINANCE	44	10	0.1%	3.5%
045 BUSINESS MGMT	45	17	0.1%	7.2%
046 BUS ADM SUP	46	5	0.0%	2.6%
047 BUS COMPU SOFTWARE	47	3	0.0%	1.0%
048 BUSINESS: OTHER	48	2	0.0%	0.6%
051 COMPU SCI/SYSTEMS	51	13	0.1%	4.0%
060 EDUCATION	60	17	0.1%	5.5%
070 ENGINEERING	70	8	0.0%	2.8%
081 VOC/PERSONAL SERV	81	5	0.0%	1.9%
082 HOME ECONOMICS	82	5	0.0%	1.2%
091 SCIENCES	91	18	0.1%	7.9%
092 MATHEMATICS	92	25	0.1%	8.0%
102 SELF/INTERPERSONAL	102	2	0.0%	1.0%
104 FINE/PERFORM ARTS	104	9	0.0%	3.3%
105 PHY ED & LEISURE	105	4	0.0%	1.1%
111 HEALTH SCIENCES	111	5	0.0%	1.9%
112 ALLIED HEALTH	112	5	0.0%	2.1%
114 HEALTH: OTHER	114	1	0.0%	0.2%
121 RELIGION & PHIL	121	8	0.0%	4.0%
122 INFORMAL RELIGION	122	1	0.0%	0.2%
140 INTERDISCIPLINARY	140	6	0.0%	2.2%
150 INDETERMINABLE	150	3	0.0%	0.8%
TOTALS:		19722	100.0%	100.0%

CR1CRS6 = COURSE CODE FOR CRED1-CRSE #6

RECORD: 1 POSITION: 28-30
FORMAT: N3

RESPONSE	CODES	FREQ	UNWGTD PERCENT	WGTD PERCENT
-1 INAPPLICABLE	-1	19554	99.1%	(MISS)
010 AGRICULTURE	10	1	0.0%	0.3%
022 ENGLISH LANGUAGE	22	10	0.1%	6.2%
023 FOREIGN LANGUAGES	23	2	0.0%	1.3%
031 SOCIAL SCIENCES	31	14	0.1%	9.0%
032 COMMUNICATIONS	32	5	0.0%	1.7%
033 LAW	33	6	0.0%	3.1%
034 PSYCHOLOGY	34	9	0.0%	5.6%
035 PROTECTIVE SERV	35	3	0.0%	2.0%
036 PUBLIC ADM & SERV	36	2	0.0%	1.0%
041 SPECIAL BUS MARKET	41	1	0.0%	1.2%
042 REAL EST/INSURANCE	42	1	0.0%	0.6%
043 BUS MARKETING MGMT	43	1	0.0%	1.0%
044 BUS ACC & FINANCE	44	6	0.0%	3.4%
045 BUSINESS MGMT	45	12	0.1%	9.8%
046 BUS ADM SUP	46	7	0.0%	4.6%
051 COMPU SCI/SYSTEMS	51	12	0.1%	6.6%
060 EDUCATION	60	13	0.1%	6.4%
070 ENGINEERING	70	6	0.0%	3.3%
081 VOC/PERSONAL SERV	81	3	0.0%	2.3%
082 HOME ECONOMICS	82	1	0.0%	0.3%
091 SCIENCES	91	12	0.1%	6.4%
092 MATHEMATICS	92	15	0.1%	9.8%
102 SELF/INTERPERSONAL	102	1	0.0%	0.2%
104 FINE/PERFORM ARTS	104	3	0.0%	2.1%
105 PHY ED & LEISURE	105	3	0.0%	2.1%
111 HEALTH SCIENCES	111	1	0.0%	0.8%
112 ALLIED HEALTH	112	5	0.0%	2.9%
113 SELF-HELP HEALTH	113	2	0.0%	1.4%
121 RELIGION & PHIL	121	4	0.0%	1.7%
122 INFORMAL RELIGION	122	1	0.0%	0.4%
131 BASIC EDUCATION	131	2	0.0%	0.7%
140 INTERDISCIPLINARY	140	3	0.0%	1.6%
150 INDETERMINABLE	150	1	0.0%	0.4%
TOTALS:		19722	100.0%	100.0%

CR1CRS7 = COURSE CODE FOR CRED1-CRSE #7

RECORD: 1 POSITION: 31-33
FORMAT: N3

RESPONSE	CODES	FREQ	UNWGTD PERCENT	WGTD PERCENT
-1 INAPPLICABLE	-1	19632	99.5%	(MISS)
010 AGRICULTURE	10	1	0.0%	1.3%
021 LIBERAL ARTS	21	2	0.0%	2.0%
022 ENGLISH LANGUAGE	22	8	0.0%	8.7%
023 FOREIGN LANGUAGES	23	1	0.0%	0.5%
031 SOCIAL SCIENCES	31	4	0.0%	4.2%
032 COMMUNICATIONS	32	2	0.0%	2.7%
033 LAW	33	3	0.0%	3.1%
034 PSYCHOLOGY	34	6	0.0%	8.3%
036 PUBLIC ADM & SERV	36	2	0.0%	1.9%
042 REAL EST/INSURANCE	42	3	0.0%	3.7%
043 BUS MARKETING MGMT	43	1	0.0%	1.2%
044 BUS ACC & FINANCE	44	1	0.0%	0.6%
045 BUSINESS MGMT	45	6	0.0%	7.8%
046 BUS ADM SUP	46	2	0.0%	1.7%
047 BUS COMPU SOFTWARE	47	4	0.0%	4.6%
048 BUSINESS: OTHER	48	1	0.0%	3.9%
051 COMPU SCI/SYSTEMS	51	5	0.0%	4.7%
060 EDUCATION	60	8	0.0%	6.8%
070 ENGINEERING	70	5	0.0%	4.2%
081 VOC/PERSONAL SERV	81	2	0.0%	3.2%
082 HOME ECONOMICS	82	1	0.0%	0.6%
091 SCIENCES	91	5	0.0%	5.9%
092 MATHEMATICS	92	6	0.0%	6.4%
104 FINE/PERFORM ARTS	104	4	0.0%	4.4%
105 PHY ED & LEISURE	105	1	0.0%	1.0%
111 HEALTH SCIENCES	111	1	0.0%	1.2%
112 ALLIED HEALTH	112	3	0.0%	3.0%
113 SELF-HELP HEALTH	113	1	0.0%	1.6%
122 INFORMAL RELIGION	122	1	0.0%	0.7%
TOTALS:		19722	100.0%	100.0%

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CR1CRS8 = COURSE CODE FOR CRED1-CRSE #8

RECORD: 1 POSITION: 34-36
FORMAT: N3

RESPONSE	CODES	FREQ	UNWGTD PERCENT	WGTD PERCENT
-1 INAPPLICABLE	-1	19669	99.7%	(MISS)
010 AGRICULTURE	10	1	0.0%	2.2%
022 ENGLISH LANGUAGE	22	3	0.0%	4.0%
031 SOCIAL SCIENCES	31	5	0.0%	9.5%
032 COMMUNICATIONS	32	1	0.0%	2.3%
033 LAW	33	3	0.0%	5.1%
034 PSYCHOLOGY	34	2	0.0%	3.7%
036 PUBLIC ADM & SERV	36	1	0.0%	2.5%
042 REAL EST/INSURANCE	42	2	0.0%	4.8%
045 BUSINESS MGMT	45	3	0.0%	9.9%
046 BUS ADM SUP	46	2	0.0%	4.4%
047 BUS COMPU SOFTWARE	47	3	0.0%	5.3%
051 COMPU SCI/SYSTEMS	51	2	0.0%	3.2%
060 EDUCATION	60	5	0.0%	6.6%
082 HOME ECONOMICS	82	2	0.0%	4.7%
091 SCIENCES	91	5	0.0%	8.3%
104 FINE/PERFORM ARTS	104	4	0.0%	5.8%
111 HEALTH SCIENCES	111	2	0.0%	4.9%
112 ALLIED HEALTH	112	1	0.0%	1.2%
113 SELF-HELP HEALTH	113	1	0.0%	2.4%
121 RELIGION & PHIL	121	1	0.0%	0.4%
122 INFORMAL RELIGION	122	1	0.0%	1.1%
140 INTERDISCIPLINARY	140	1	0.0%	2.2%
150 INDETERMINABLE	150	2	0.0%	5.3%
TOTALS:		19722	100.0%	100.0%

CR1CRS9 = COURSE CODE FOR CRED1-CRSE #9

RECORD: 1 POSITION: 37-39
FORMAT: N3

RESPONSE	CODES	FREQ	UNWGTD PERCENT	WGTD PERCENT
-1 INAPPLICABLE	-1	19693	99.9%	(MISS)
022 ENGLISH LANGUAGE	22	1	0.0%	1.9%
031 SOCIAL SCIENCES	31	3	0.0%	9.0%
032 COMMUNICATIONS	32	1	0.0%	5.1%
033 LAW	33	1	0.0%	1.4%
036 PUBLIC ADM & SERV	36	2	0.0%	7.0%
042 REAL EST/INSURANCE	42	2	0.0%	8.1%
043 BUS MARKETING MGMT	43	1	0.0%	3.7%
044 BUS ACC & FINANCE	44	1	0.0%	6.1%
045 BUSINESS MGMT	45	1	0.0%	3.5%
048 BUSINESS: OTHER	48	1	0.0%	10.8%
051 COMPU SCI/SYSTEMS	51	1	0.0%	1.2%
060 EDUCATION	60	2	0.0%	3.7%
091 SCIENCES	91	3	0.0%	5.1%
092 MATHEMATICS	92	3	0.0%	10.6%
111 HEALTH SCIENCES	111	2	0.0%	5.4%
113 SELF-HELP HEALTH	113	1	0.0%	4.1%
131 BASIC EDUCATION	131	1	0.0%	1.6%
140 INTERDISCIPLINARY	140	1	0.0%	5.9%
150 INDETERMINABLE	150	1	0.0%	6.0%
TOTALS:		19722	100.0%	100.0%

CR1CRS10 = COURSE CODE FOR CRED1-CRSE #10

RECORD: 1 POSITION: 40-42
FORMAT: N3

RESPONSE	CODES	FREQ	UNWGTD PERCENT	WGTD PERCENT
-1 INAPPLICABLE	-1	19710	99.9%	(MISS)
031 SOCIAL SCIENCES	31	3	0.0%	32.9%
034 PSYCHOLOGY	34	1	0.0%	4.0%
042 REAL EST/INSURANCE	42	1	0.0%	7.5%
045 BUSINESS MGMT	45	1	0.0%	9.6%
047 BUS COMPU SOFTWARE	47	1	0.0%	3.1%
051 COMPU SCI/SYSTEMS	51	1	0.0%	15.6%
060 EDUCATION	60	3	0.0%	22.4%
121 RELIGION & PHIL	121	1	0.0%	4.9%
TOTALS:		19722	100.0%	100.0%

CR1CRS11 = COURSE CODE FOR CRED1-CRSE #11

RECORD: 1 POSITION: 43-45
FORMAT: N3

RESPONSE	CODES	FREQ	UNWGTD PERCENT	WGTD PERCENT
-1 INAPPLICABLE	-1	19716	100.0%	(MISS)
034 PSYCHOLOGY	34	1	0.0%	7.2%
047 BUS COMPU SOFTWARE	47	2	0.0%	33.5%
060 EDUCATION	60	1	0.0%	12.9%
082 HOME ECONOMICS	82	1	0.0%	19.2%
105 PHY ED & LEISURE	105	1	0.0%	27.1%
TOTALS:		19722	100.0%	100.0%

CR1CRS12 = COURSE CODE FOR CRED1-CRSE #12

RECORD: 1 POSITION: 46-48
FORMAT: N3

RESPONSE	CODES	FREQ	UNWGTD PERCENT	WGTD PERCENT
-1 INAPPLICABLE	-1	19718	100.0%	(MISS)
047 BUS COMPU SOFTWARE	47	2	0.0%	42.0%
082 HOME ECONOMICS	82	1	0.0%	24.1%
113 SELF-HELP HEALTH	113	1	0.0%	33.9%
TOTALS:		19722	100.0%	100.0%

CR1CRS13 = COURSE CODE FOR CRED1-CRSE #13

RECORD: 1 POSITION: 49-51
FORMAT: N3

RESPONSE	CODES	FREQ	UNWGTD PERCENT	WGTD PERCENT
-1 INAPPLICABLE	-1	19719	100.0%	(MISS)
031 SOCIAL SCIENCES	31	1	0.0%	10.9%
034 PSYCHOLOGY	34	1	0.0%	52.1%
082 HOME ECONOMICS	82	1	0.0%	37.0%
TOTALS:		19722	100.0%	100.0%

CR1CRS14 = COURSE CODE FOR CRED1-CRSE #14

RECORD: 1 POSITION: 52-54
FORMAT: N3

RESPONSE	CODES	FREQ	UNWGTD PERCENT	WGTD PERCENT
-1 INAPPLICABLE	-1	19720	100.0%	(MISS)
022 ENGLISH LANGUAGE	22	1	0.0%	22.7%
060 EDUCATION	60	1	0.0%	77.3%
TOTALS:		19722	100.0%	100.0%

CR2CRS1 = COURSE CODE FOR CRED2-CRSE #1

RECORD: 1 POSITION: 55-57
FORMAT: N3

RESPONSE	CODES	FREQ	UNWGTD PERCENT	WGTD PERCENT
-1 INAPPLICABLE	-1	19552	99.1%	(MISS)
010 AGRICULTURE	10	1	0.0%	0.4%
022 ENGLISH LANGUAGE	22	5	0.0%	2.5%
023 FOREIGN LANGUAGES	23	1	0.0%	1.1%
031 SOCIAL SCIENCES	31	6	0.0%	3.7%
032 COMMUNICATIONS	32	1	0.0%	0.4%
034 PSYCHOLOGY	34	6	0.0%	3.7%
035 PROTECTIVE SERV	35	8	0.0%	4.9%
036 PUBLIC ADM & SERV	36	2	0.0%	1.6%
041 SPECIAL BUS MARKET	41	3	0.0%	1.3%
042 REAL EST/INSURANCE	42	6	0.0%	2.9%
043 BUS MARKETING MGMT	43	1	0.0%	0.7%
044 BUS ACC & FINANCE	44	9	0.0%	5.8%
045 BUSINESS MGMT	45	16	0.1%	8.9%
047 BUS COMPU SOFTWARE	47	2	0.0%	0.6%
051 COMPU SCI/SYSTEMS	51	14	0.1%	9.9%
060 EDUCATION	60	7	0.0%	2.6%
070 ENGINEERING	70	8	0.0%	5.2%
081 VOC/PERSONAL SERV	81	11	0.1%	5.1%
082 HOME ECONOMICS	82	3	0.0%	1.8%
091 SCIENCES	91	9	0.0%	5.9%
092 MATHEMATICS	92	8	0.0%	5.1%
102 SELF/INTERPERSONAL	102	1	0.0%	0.4%
111 HEALTH SCIENCES	111	3	0.0%	1.7%
112 ALLIED HEALTH	112	15	0.1%	9.9%
113 SELF-HELP HEALTH	113	2	0.0%	0.9%
114 HEALTH: OTHER	114	2	0.0%	1.0%
121 RELIGION & PHIL	121	3	0.0%	2.3%
122 INFORMAL RELIGION	122	1	0.0%	0.3%
131 BASIC EDUCATION	131	1	0.0%	0.7%
140 INTERDISCIPLINARY	140	2	0.0%	1.0%
150 INDETERMINABLE	150	13	0.1%	7.7%
TOTALS:		19722	100.0%	100.0%

CR2CRS2 - COURSE CODE FOR CRED2-CRSE #2

RECORD: 1 POSITION: 58-60
FORMAT: N3

RESPONSE	CODES	FREQ	UNWGTD PERCENT	WGTD PERCENT
-1 INAPPLICABLE	-1	19631	99.5%	(MISS)
022 ENGLISH LANGUAGE	22	4	0.0%	5.2%
023 FOREIGN LANGUAGES	23	2	0.0%	2.3%
031 SOCIAL SCIENCES	31	3	0.0%	2.8%
032 COMMUNICATIONS	32	2	0.0%	1.7%
034 PSYCHOLOGY	34	1	0.0%	1.6%
035 PROTECTIVE SERV	35	4	0.0%	5.2%
036 PUBLIC ADM & SERV	36	2	0.0%	2.0%
041 SPECIAL BUS MARKET	41	1	0.0%	0.6%
042 REAL EST/INSURANCE	42	3	0.0%	3.3%
044 BUS ACC & FINANCE	44	2	0.0%	2.4%
045 BUSINESS MGMT	45	8	0.0%	7.9%
046 BUS ADM SUP	46	2	0.0%	1.9%
047 BUS COMPU SOFTWARE	47	2	0.0%	3.0%
051 COMPU SCI/SYSTEMS	51	10	0.1%	11.6%
060 EDUCATION	60	5	0.0%	4.6%
070 ENGINEERING	70	6	0.0%	4.1%
081 VOC/PERSONAL SERV	81	5	0.0%	6.4%
082 HOME ECONOMICS	82	2	0.0%	3.0%
091 SCIENCES	91	8	0.0%	7.6%
092 MATHEMATICS	92	3	0.0%	4.0%
104 FINE/PERFORM ARTS	104	1	0.0%	0.5%
105 PHY ED & LEISURE	105	1	0.0%	1.7%
111 HEALTH SCIENCES	111	1	0.0%	1.5%
112 ALLIED HEALTH	112	6	0.0%	7.7%
113 SELF-HELP HEALTH	113	1	0.0%	0.9%
121 RELIGION & PHIL	121	3	0.0%	3.6%
140 INTERDISCIPLINARY	140	1	0.0%	0.6%
150 INDETERMINABLE	150	2	0.0%	2.3%
TOTALS:		19722	100.0%	100.0%

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CR2CRS3 = COURSE CODE FOR CRED2-CRSE #3

RECORD: 1 POSITION: 61-63
FORMAT: N3

RESPONSE	CODES	FREQ	UNWGTD PERCENT	WGTD PERCENT
-1 INAPPLICABLE	-1	19665	99.7%	(MISS)
010 AGRICULTURE	10	1	0.0%	3.5%
022 ENGLISH LANGUAGE	22	4	0.0%	7.0%
031 SOCIAL SCIENCES	31	2	0.0%	3.1%
032 COMMUNICATIONS	32	1	0.0%	1.3%
034 PSYCHOLOGY	34	3	0.0%	4.5%
035 PROTECTIVE SERV	35	3	0.0%	5.8%
036 PUBLIC ADM & SERV	36	4	0.0%	6.6%
041 SPECIAL BUS MARKET	41	1	0.0%	1.0%
042 REAL EST/INSURANCE	42	1	0.0%	1.1%
045 BUSINESS MGMT	45	5	0.0%	8.2%
046 BUS ADM SUP	46	1	0.0%	1.9%
047 BUS COMPU SOFTWARE	47	2	0.0%	3.9%
048 BUSINESS: OTHER	48	1	0.0%	1.0%
051 COMPU SCI/SYSTEMS	51	6	0.0%	12.4%
060 EDUCATION	60	2	0.0%	2.4%
070 ENGINEERING	70	4	0.0%	4.3%
081 VOC/PERSONAL SERV	81	1	0.0%	2.2%
082 HOME ECONOMICS	82	1	0.0%	3.4%
091 SCIENCES	91	3	0.0%	7.6%
092 MATHEMATICS	92	2	0.0%	3.5%
102 SELF/INTERPERSONAL	102	1	0.0%	1.1%
112 ALLIED HEALTH	112	2	0.0%	2.4%
113 SELF-HELP HEALTH	113	2	0.0%	2.5%
121 RELIGION & PHIL	121	2	0.0%	4.5%
150 INDETERMINABLE	150	2	0.0%	4.8%
TOTALS:		19722	100.0%	100.0%

CR2CRS4 = COURSE CODE FOR CRED2-CRSE #4

RECORD: 1 POSITION: 64-66
FORMAT: N3

RESPONSE	CODES	FREQ	UNWGTD PERCENT	WGTD PERCENT
-1 INAPPLICABLE	-1	19688	99.8%	(MISS)
010 AGRICULTURE	10	1	0.0%	5.9%
022 ENGLISH LANGUAGE	22	1	0.0%	2.4%
031 SOCIAL SCIENCES	31	1	0.0%	3.9%
032 COMMUNICATIONS	32	1	0.0%	2.2%
034 PSYCHOLOGY	34	3	0.0%	7.4%
035 PROTECTIVE SERV	35	2	0.0%	5.8%
036 PUBLIC ADM & SERV	36	2	0.0%	5.1%
041 SPECIAL BUS MARKET	41	3	0.0%	6.5%
042 REAL EST/INSURANCE	42	1	0.0%	1.9%
045 BUSINESS MGMT	45	1	0.0%	1.2%
047 BUS COMPU SOFTWARE	47	2	0.0%	7.8%
051 COMPU SCI/SYSTEMS	51	1	0.0%	3.5%
070 ENGINEERING	70	2	0.0%	4.0%
081 VOC/PERSONAL SERV	81	1	0.0%	3.8%
091 SCIENCES	91	3	0.0%	10.1%
092 MATHEMATICS	92	1	0.0%	3.2%
111 HEALTH SCIENCES	111	3	0.0%	7.6%
113 SELF-HELP HEALTH	113	1	0.0%	1.7%
121 RELIGION & PHIL	121	1	0.0%	3.1%
150 INDETERMINABLE	150	3	0.0%	13.0%
TOTALS:		19722	100.0%	100.0%

CR2CRS5 = COURSE CODE FOR CRED2-CRSE #5

RECORD: 1 POSITION: 67-69
FORMAT: N3

RESPONSE	CODES	FREQ	UNWGTD PERCENT	WGTD PERCENT
-1 INAPPLICABLE	-1	19701	99.9%	(MISS)
010 AGRICULTURE	10	1	0.0%	9.6%
031 SOCIAL SCIENCES	31	1	0.0%	3.2%
036 PUBLIC ADM & SERV	36	1	0.0%	5.3%
042 REAL EST/INSURANCE	42	1	0.0%	3.1%
045 BUSINESS MGMT	45	1	0.0%	1.9%
051 COMPU SCI/SYSTEMS	51	3	0.0%	19.0%
060 EDUCATION	60	1	0.0%	2.5%
070 ENGINEERING	70	2	0.0%	5.6%
081 VOC/PERSONAL SERV	81	1	0.0%	6.1%
091 SCIENCES	91	2	0.0%	13.5%
112 ALLIED HEALTH	112	2	0.0%	6.1%
121 RELIGION & PHIL	121	1	0.0%	4.9%
150 INDETERMINABLE	150	4	0.0%	19.1%
TOTALS:		19722	100.0%	100.0%

CR2CRS6 = COURSE CODE FOR CRED2-CRSE #6

RECORD: 1 POSITION: 70-72
FORMAT: N3

RESPONSE	CODES	FREQ	UNWGTD PERCENT	WGTD PERCENT
-1 INAPPLICABLE	-1	19714	100.0%	(MISS)
036 PUBLIC ADM & SERV	36	1	0.0%	6.6%
051 COMPU SCI/SYSTEMS	51	2	0.0%	36.0%
070 ENGINEERING	70	1	0.0%	6.8%
081 VOC/PERSONAL SERV	81	1	0.0%	13.3%
091 SCIENCES	91	1	0.0%	11.2%
121 RELIGION & PHIL	121	1	0.0%	10.8%
150 INDETERMINABLE	150	1	0.0%	15.2%
TOTALS:		19722	100.0%	100.0%

CR2CRS7 = COURSE CODE FOR CRED2-CRSE #7

RECORD: 1 POSITION: 73-75
FORMAT: N3

RESPONSE	CODES	FREQ	UNWGTD PERCENT	WGTD PERCENT
-1 INAPPLICABLE	-1	19719	100.0%	(MISS)
070 ENGINEERING	70	1	0.0%	19.4%
081 VOC/PERSONAL SERV	81	1	0.0%	37.6%
150 INDETERMINABLE	150	1	0.0%	43.1%
TOTALS:		19722	100.0%	100.0%

CR2CRS8 = COURSE CODE FOR CRED2-CRSE #8

RECORD: 1 POSITION: 76-78
FORMAT: N3

RESPONSE	CODES	FREQ	UNWGTD PERCENT	WGTD PERCENT
-1 INAPPLICABLE	-1	19720	100.0%	(MISS)
081 VOC/PERSONAL SERV	81	1	0.0%	46.6%
150 INDETERMINABLE	150	1	0.0%	53.4%
TOTALS:		19722	100.0%	100.0%

CR2CRS9 = COURSE CODE FOR CRED2-CRSE #9

RECORD: 1 POSITION: 79-81
FORMAT: N3

RESPONSE	CODES	FREQ	UNWGTD PERCENT	WGTD PERCENT
-1 INAPPLICABLE	-1	19720	100.0%	(MISS)
081 VOC/PERSONAL SERV	81	1	0.0%	46.6%
150 INDETERMINABLE	150	1	0.0%	53.4%
TOTALS:		19722	100.0%	100.0%

CR2CRS10 = COURSE CODE FOR CRED2-CRSE #10

RECORD: 1 POSITION: 82-84
FORMAT: N3

RESPONSE	CODES	FREQ	UNWGTD PERCENT	WGTD PERCENT
-1 INAPPLICABLE	-1	19720	100.0%	(MISS)
081 VOC/PERSONAL SERV	81	1	0.0%	46.6%
150 INDETERMINABLE	150	1	0.0%	53.4%
TOTALS:		19722	100.0%	100.0%

CR3CRS1 = COURSE CODE FOR CRED3-CRSE #1

RECORD: 1 POSITION: 85-87
FORMAT: N3

RESPONSE	CODES	FREQ	UNWGTD PERCENT	WGTD PERCENT
-1 INAPPLICABLE	-1	19717	100.0%	(MISS)
045 BUSINESS MGMT	45	1	0.0%	12.5%
081 VOC/PERSONAL SERV	81	1	0.0%	8.0%
150 INDETERMINABLE	150	3	0.0%	79.5%
TOTALS:		19722	100.0%	100.0%

CR3CRS2 = COURSE CODE FOR CRED3-CRSE #2

RECORD: 1 POSITION: 88-90
FORMAT: N3

RESPONSE	CODES	FREQ	UNWGTD PERCENT	WGTD PERCENT
-1 INAPPLICABLE	-1	19720	100.0%	(MISS)
045 BUSINESS MGMT	45	1	0.0%	32.2%
150 INDETERMINABLE	150	1	0.0%	67.8%
TOTALS:		19722	100.0%	100.0%

WRCRS1 = COURSE CODE FOR WORK-REL #1

RECORD: 1 POSITION: 91-93
FORMAT: N3

RESPONSE	CODES	FREQ	UNWGTD PERCENT	WGTD PERCENT
-1 INAPPLICABLE	-1	13880	70.4%	(MISS)
010 AGRICULTURE	10	79	0.4%	1.6%
021 LIBERAL ARTS	21	6	0.0%	0.1%
022 ENGLISH LANGUAGE	22	56	0.3%	1.0%
023 FOREIGN LANGUAGES	23	28	0.1%	0.4%
031 SOCIAL SCIENCES	31	22	0.1%	0.4%
032 COMMUNICATIONS	32	54	0.3%	0.9%
033 LAW	33	113	0.6%	1.7%
034 PSYCHOLOGY	34	36	0.2%	0.5%
035 PROTECTIVE SERV	35	98	0.5%	1.6%
036 PUBLIC ADM & SERV	36	78	0.4%	1.3%
041 SPECIAL BUS MARKET	41	101	0.5%	1.9%
042 REAL EST/INSURANCE	42	237	1.2%	3.9%
043 BUS MARKETING MGMT	43	64	0.3%	1.2%
044 BUS ACC & FINANCE	44	199	1.0%	3.2%
045 BUSINESS MGMT	45	527	2.7%	9.3%
046 BUS ADM SUP	46	158	0.8%	2.5%
047 BUS COMPU SOFTWARE	47	339	1.7%	5.5%
048 BUSINESS: OTHER	48	106	0.5%	1.8%
051 COMPU SCI/SYSTEMS	51	891	4.5%	15.1%
060 EDUCATION	60	366	1.9%	5.7%
070 ENGINEERING	70	213	1.1%	4.3%
081 VOC/PERSONAL SERV	81	519	2.6%	10.3%
082 HOME ECONOMICS	82	122	0.6%	1.9%
083 VOCATIONAL: OTHER	83	21	0.1%	0.4%
091 SCIENCES	91	48	0.2%	0.8%
092 MATHEMATICS	92	26	0.1%	0.4%
093 MATH & SCI: OTHER	93	1	0.0%	0.0%
102 SELF/INTERPERSONAL	102	99	0.5%	1.6%
104 FINE/PERFORM ARTS	104	27	0.1%	0.4%
105 PHY ED & LEISURE	105	79	0.4%	1.5%
111 HEALTH SCIENCES	111	256	1.3%	4.0%
112 ALLIED HEALTH	112	334	1.7%	5.4%
113 SELF-HELP HEALTH	113	306	1.6%	5.3%
114 HEALTH: OTHER	114	55	0.3%	1.0%
121 RELIGION & PHIL	121	15	0.1%	0.3%
122 INFORMAL RELIGION	122	19	0.1%	0.3%
123 RELIGION: OTHER	123	1	0.0%	0.0%
131 BASIC EDUCATION	131	25	0.1%	0.4%
140 INTERDISCIPLINARY	140	21	0.1%	0.3%
150 INDETERMINABLE	150	97	0.5%	1.9%
TOTALS:		19722	100.0%	100.0%

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WRCRS2 = COURSE CODE FOR WORK-REL #2

RECORD: 1 POSITION: 94-96
FORMAT: N3

RESPONSE	CODES	FREQ	UNWGTD PERCENT	WGTD PERCENT
-1 INAPPLICABLE	-1	15905	80.6%	(MISS)
010 AGRICULTURE	10	40	0.2%	1.2%
021 LIBERAL ARTS	21	7	0.0%	0.2%
022 ENGLISH LANGUAGE	22	37	0.2%	0.9%
023 FOREIGN LANGUAGES	23	17	0.1%	0.4%
031 SOCIAL SCIENCES	31	21	0.1%	0.5%
032 COMMUNICATIONS	32	49	0.2%	1.3%
033 LAW	33	71	0.4%	1.6%
034 PSYCHOLOGY	34	37	0.2%	1.0%
035 PROTECTIVE SERV	35	81	0.4%	2.3%
036 PUBLIC ADM & SERV	36	59	0.3%	1.6%
037 SOCIAL SCIENCE: OTHER	37	1	0.0%	0.0%
041 SPECIAL BUS MARKET	41	68	0.3%	1.9%
042 REAL EST/INSURANCE	42	142	0.7%	3.5%
043 BUS MARKETING MGMT	43	46	0.2%	1.4%
044 BUS ACC & FINANCE	44	133	0.7%	3.2%
045 BUSINESS MGMT	45	336	1.7%	8.6%
046 BUS ADM SUP	46	95	0.5%	2.5%
047 BUS COMPU SOFTWARE	47	237	1.2%	6.3%
048 BUSINESS: OTHER	48	76	0.4%	2.0%
051 COMPU SCI/SYSTEMS	51	530	2.7%	14.1%
060 EDUCATION	60	283	1.4%	7.1%
070 ENGINEERING	70	123	0.6%	3.5%
081 VOC/PERSONAL SERV	81	252	1.3%	7.6%
082 HOME ECONOMICS	82	81	0.4%	1.8%
083 VOCATIONAL: OTHER	83	3	0.0%	0.1%
091 SCIENCES	91	25	0.1%	0.7%
092 MATHEMATICS	92	12	0.1%	0.3%
102 SELF/INTERPERSONAL	102	99	0.5%	2.6%
104 FINE/PERFORM ARTS	104	18	0.1%	0.4%
105 PHY ED & LEISURE	105	54	0.3%	1.5%
111 HEALTH SCIENCES	111	206	1.0%	4.9%
112 ALLIED HEALTH	112	217	1.1%	5.6%
113 SELF-HELP HEALTH	113	184	0.9%	4.7%
114 HEALTH: OTHER	114	43	0.2%	1.1%
121 RELIGION & PHIL	121	14	0.1%	0.5%
122 INFORMAL RELIGION	122	15	0.1%	0.4%
131 BASIC EDUCATION	131	8	0.0%	0.2%
140 INTERDISCIPLINARY	140	16	0.1%	0.5%
150 INDETERMINABLE	150	81	0.4%	2.1%
TOTALS:		19722	100.0%	100.0%

WRCRS3 = COURSE CODE FOR WORK-REL #3

RECORD: 1 POSITION: 97-99
FORMAT: N3

RESPONSE	CODES	FREQ	UNWGTD PERCENT	WGTD PERCENT
-1 INAPPLICABLE	-1	17461	88.5%	(MISS)
010 AGRICULTURE	10	32	0.2%	1.9%
021 LIBERAL ARTS	21	5	0.0%	0.2%
022 ENGLISH LANGUAGE	22	24	0.1%	1.1%
023 FOREIGN LANGUAGES	23	10	0.1%	0.2%
031 SOCIAL SCIENCES	31	11	0.1%	0.4%
032 COMMUNICATIONS	32	28	0.1%	1.3%
033 LAW	33	47	0.2%	1.9%
034 PSYCHOLOGY	34	24	0.1%	1.0%
035 PROTECTIVE SERV	35	51	0.3%	2.5%
036 PUBLIC ADM & SERV	36	38	0.2%	1.7%
037 SOCIAL SCIENCE: OTHER	37	2	0.0%	0.1%
041 SPECIAL BUS MARKET	41	33	0.2%	1.6%
042 REAL EST/INSURANCE	42	99	0.5%	4.1%
043 BUS MARKETING MGMT	43	25	0.1%	1.1%
044 BUS ACC & FINANCE	44	94	0.5%	4.3%
045 BUSINESS MGMT	45	201	1.0%	8.8%
046 BUS ADM SUP	46	50	0.3%	2.2%
047 BUS COMPU SOFTWARE	47	98	0.5%	4.1%
048 BUSINESS: OTHER	48	49	0.2%	2.1%
051 COMPU SCI/SYSTEMS	51	293	1.5%	12.7%
060 EDUCATION	60	185	0.9%	8.2%
070 ENGINEERING	70	68	0.3%	3.1%
081 VOC/PERSONAL SERV	81	125	0.6%	6.5%
082 HOME ECONOMICS	82	47	0.2%	2.0%
083 VOCATIONAL: OTHER	83	5	0.0%	0.3%
091 SCIENCES	91	13	0.1%	0.8%
092 MATHEMATICS	92	11	0.1%	0.5%
102 SELF/INTERPERSONAL	102	55	0.3%	2.2%
104 FINE/PERFORM ARTS	104	12	0.1%	0.4%
105 PHY ED & LEISURE	105	42	0.2%	1.8%
111 HEALTH SCIENCES	111	147	0.7%	5.6%
112 ALLIED HEALTH	112	132	0.7%	6.2%
113 SELF-HELP HEALTH	113	99	0.5%	4.4%
114 HEALTH: OTHER	114	25	0.1%	1.0%
121 RELIGION & PHIL	121	14	0.1%	0.8%
122 INFORMAL RELIGION	122	11	0.1%	0.4%
131 BASIC EDUCATION	131	9	0.0%	0.4%
140 INTERDISCIPLINARY	140	8	0.0%	0.3%
150 INDETERMINABLE	150	39	0.2%	1.8%
TOTALS:		19722	100.0%	100.0%

WRCRS4 = COURSE CODE FOR WORK-REL #4

RECORD: 1 POSITION: 100-102
FORMAT: N3

RESPONSE	CODES	FREQ	UNWGTD PERCENT	WGTD PERCENT
-1 INAPPLICABLE	-1	18479	93.7%	(MISS)
010 AGRICULTURE	10	10	0.1%	0.8%
021 LIBERAL ARTS	21	4	0.0%	0.3%
022 ENGLISH LANGUAGE	22	14	0.1%	1.1%
023 FOREIGN LANGUAGES	23	5	0.0%	0.4%
031 SOCIAL SCIENCES	31	13	0.1%	1.0%
032 COMMUNICATIONS	32	16	0.1%	1.4%
033 LAW	33	35	0.2%	2.6%
034 PSYCHOLOGY	34	18	0.1%	1.6%
035 PROTECTIVE SERV	35	36	0.2%	2.7%
036 PUBLIC ADM & SERV	36	23	0.1%	1.6%
041 SPECIAL BUS MARKET	41	19	0.1%	1.7%
042 REAL EST/INSURANCE	42	52	0.3%	4.2%
043 BUS MARKETING MGMT	43	11	0.1%	1.1%
044 BUS ACC & FINANCE	44	49	0.2%	3.9%
045 BUSINESS MGMT	45	105	0.5%	8.6%
046 BUS ADM SUP	46	36	0.2%	2.8%
047 BUS COMPU SOFTWARE	47	38	0.2%	3.1%
048 BUSINESS: OTHER	48	26	0.1%	2.1%
051 COMPU SCI/SYSTEMS	51	136	0.7%	10.2%
060 EDUCATION	60	95	0.5%	7.1%
070 ENGINEERING	70	33	0.2%	3.2%
081 VOC/PERSONAL SERV	81	65	0.3%	6.4%
082 HOME ECONOMICS	82	23	0.1%	1.6%
083 VOCATIONAL: OTHER	83	4	0.0%	0.3%
091 SCIENCES	91	8	0.0%	0.6%
092 MATHEMATICS	92	6	0.0%	0.8%
102 SELF/INTERPERSONAL	102	27	0.1%	2.1%
104 FINE/PERFORM ARTS	104	4	0.0%	0.3%
105 PHY ED & LEISURE	105	20	0.1%	1.4%
111 HEALTH SCIENCES	111	101	0.5%	7.6%
112 ALLIED HEALTH	112	75	0.4%	6.3%
113 SELF-HELP HEALTH	113	56	0.3%	4.7%
114 HEALTH: OTHER	114	22	0.1%	1.8%
121 RELIGION & PHIL	121	6	0.0%	0.5%
122 INFORMAL RELIGION	122	5	0.0%	0.4%
131 BASIC EDUCATION	131	7	0.0%	0.6%
140 INTERDISCIPLINARY	140	4	0.0%	0.4%
150 INDETERMINABLE	150	36	0.2%	2.9%
TOTALS		19722	100.0%	100.0%

WRCRS5 = COURSE CODE FOR WORK-REL #5

RECORD: 1 POSITION: 103-105
FORMAT: N3

RESPONSE	CODES	FREQ	UNWGTD PERCENT	WGTD PERCENT
-1 INAPPLICABLE	-1	19006	96.4%	(MISS)
010 AGRICULTURE	10	6	0.0%	0.8%
021 LIBERAL ARTS	21	2	0.0%	0.2%
022 ENGLISH LANGUAGE	22	6	0.0%	0.9%
023 FOREIGN LANGUAGES	23	3	0.0%	0.3%
031 SOCIAL SCIENCES	31	5	0.0%	0.8%
032 COMMUNICATIONS	32	8	0.0%	1.4%
033 LAW	33	21	0.1%	2.7%
034 PSYCHOLOGY	34	13	0.1%	1.8%
035 PROTECTIVE SERV	35	19	0.1%	2.7%
036 PUBLIC ADM & SERV	36	17	0.1%	2.0%
037 SOCIAL SCIENCE: OTHER	37	1	0.0%	0.2%
041 SPECIAL BUS MARKET	41	10	0.1%	1.7%
042 REAL EST/INSURANCE	42	30	0.2%	3.6%
043 BUS MARKETING MGMT	43	5	0.0%	0.7%
044 BUS ACC & FINANCE	44	26	0.1%	4.0%
045 BUSINESS MGMT	45	56	0.3%	7.7%
046 BUS ADM SUP	46	15	0.1%	1.9%
047 BUS COMPU SOFTWARE	47	20	0.1%	2.1%
048 BUSINESS: OTHER	48	18	0.1%	2.7%
051 COMPU SCI/SYSTEMS	51	72	0.4%	9.9%
060 EDUCATION	60	59	0.3%	8.0%
070 ENGINEERING	70	16	0.1%	2.1%
081 VOC/PERSONAL SERV	81	35	0.2%	5.8%
082 HOME ECONOMICS	82	18	0.1%	2.4%
083 VOCATIONAL: OTHER	83	1	0.0%	0.1%
091 SCIENCES	91	3	0.0%	0.4%
092 MATHEMATICS	92	3	0.0%	0.7%
093 MATH & SCI: OTHER	93	1	0.0%	0.1%
102 SELF/INTERPERSONAL	102	24	0.1%	3.7%
104 FINE/PERFORM ARTS	104	1	0.0%	0.2%
105 PHY ED & LEISURE	105	19	0.1%	2.7%
111 HEALTH SCIENCES	111	50	0.3%	6.1%
112 ALLIED HEALTH	112	65	0.3%	10.1%
113 SELF-HELP HEALTH	113	31	0.2%	4.1%
114 HEALTH: OTHER	114	15	0.1%	2.1%
121 RELIGION & PHIL	121	1	0.0%	0.2%
122 INFORMAL RELIGION	122	5	0.0%	0.7%
140 INTERDISCIPLINARY	140	3	0.0%	0.5%
150 INDETERMINABLE	150	13	0.1%	1.9%
TOTALS:		19722	100.0%	100.0%

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WRCRS6 - COURSE CODE FOR WORK-REL #6

RECORD: 1 POSITION: 106-108
FORMAT: N3

RESPONSE	CODES	FREQ	UNWGTD PERCENT	WGTD PERCENT
-1 INAPPLICABLE	-1	19318	98.0%	(MISS)
010 AGRICULTURE	10	6	0.0%	1.5%
021 LIBERAL ARTS	21	3	0.0%	0.8%
022 ENGLISH LANGUAGE	22	5	0.0%	1.6%
031 SOCIAL SCIENCES	31	1	0.0%	0.3%
032 COMMUNICATIONS	32	5	0.0%	1.1%
033 LAW	33	12	0.1%	2.7%
034 PSYCHOLOGY	34	7	0.0%	1.5%
035 PROTECTIVE SERV	35	16	0.1%	4.9%
036 PUBLIC ADM & SERV	36	13	0.1%	2.6%
041 SPECIAL BUS MARKET	41	3	0.0%	0.6%
042 REAL EST/INSURANCE	42	15	0.1%	3.4%
043 BUS MARKETING MGMT	43	3	0.0%	1.2%
044 BUS ACC & FINANCE	44	6	0.0%	1.3%
045 BUSINESS MGMT	45	42	0.2%	10.3%
046 BUS ADM SUP	46	15	0.1%	3.5%
047 BUS COMPU SOFTWARE	47	11	0.1%	2.6%
048 BUSINESS: OTHER	48	4	0.0%	0.7%
051 COMPU SCI/SYSTEMS	51	32	0.2%	9.0%
060 EDUCATION	60	32	0.2%	7.4%
070 ENGINEERING	70	10	0.1%	2.5%
081 VOC/PERSONAL SERV	81	21	0.1%	6.4%
082 HOME ECONOMICS	82	9	0.0%	2.1%
083 VOCATIONAL: OTHER	83	1	0.0%	0.3%
091 SCIENCES	91	3	0.0%	0.5%
092 MATHEMATICS	92	1	0.0%	0.3%
102 SELF/INTERPERSONAL	102	6	0.0%	1.2%
104 FINE/PERFORM ARTS	104	2	0.0%	0.5%
105 PHY ED & LEISURE	105	12	0.1%	2.7%
111 HEALTH SCIENCES	111	36	0.2%	8.0%
112 ALLIED HEALTH	112	29	0.1%	7.7%
113 SELF-HELP HEALTH	113	20	0.1%	4.8%
114 HEALTH: OTHER	114	8	0.0%	2.2%
121 RELIGION & PHIL	121	3	0.0%	0.8%
131 BASIC EDUCATION	131	2	0.0%	0.3%
140 INTERDISCIPLINARY	140	4	0.0%	1.1%
150 INDETERMINABLE	150	6	0.0%	1.3%
TOTALS:		19722	100.0%	100.0%

SACRS1 = COURSE CODE FOR STRUCT CRSE #1

RECORD: 1 POSITION: 109-111
FORMAT: N3

RESPONSE	CODES	FREQ	UNWGTD PERCENT	WGTD PERCENT
-1 INAPPLICABLE	-1	14905	75.6%	(MISS)
010 AGRICULTURE	10	38	0.2%	0.7%
021 LIBERAL ARTS	21	5	0.0%	0.1%
022 ENGLISH LANGUAGE	22	46	0.2%	0.8%
023 FOREIGN LANGUAGES	23	65	0.3%	1.1%
031 SOCIAL SCIENCES	31	35	0.2%	0.7%
032 COMMUNICATIONS	32	15	0.1%	0.3%
033 LAW	33	1	0.0%	0.0%
034 PSYCHOLOGY	34	20	0.1%	0.3%
035 PROTECTIVE SERV	35	27	0.1%	0.7%
036 PUBLIC ADM & SERV	36	10	0.1%	0.1%
037 SOCIAL SCIENCE: OTHER	37	1	0.0%	0.0%
041 SPECIAL BUS MARKET	41	11	0.1%	0.2%
042 REAL EST/INSURANCE	42	13	0.1%	0.2%
043 BUS MARKETING MGMT	43	10	0.1%	0.2%
044 BUS ACC & FINANCE	44	37	0.2%	0.6%
045 BUSINESS MGMT	45	36	0.2%	0.7%
046 BUS ADM SUP	46	10	0.1%	0.2%
047 BUS COMPU SOFTWARE	47	35	0.2%	0.5%
048 BUSINESS: OTHER	48	20	0.1%	0.5%
051 COMPU SCI/SYSTEMS	51	121	0.6%	2.1%
060 EDUCATION	60	55	0.3%	0.9%
070 ENGINEERING	70	26	0.1%	0.6%
081 VOC/PERSONAL SERV	81	64	0.3%	1.2%
082 HOME ECONOMICS	82	247	1.3%	4.9%
083 VOCATIONAL: OTHER	83	6	0.0%	0.2%
091 SCIENCES	91	10	0.1%	0.2%
092 MATHEMATICS	92	12	0.1%	0.2%
102 SELF/INTERPERSONAL	102	86	0.4%	1.5%
104 FINE/PERFORM ARTS	104	166	0.8%	3.2%
105 PHY ED & LEISURE	105	1165	5.9%	24.5%
106 ARTS/LEISURE: OTHER	106	4	0.0%	0.0%
111 HEALTH SCIENCES	111	13	0.1%	0.2%
112 ALLIED HEALTH	112	79	0.4%	1.7%
113 SELF-HELP HEALTH	113	967	4.9%	21.1%
114 HEALTH: OTHER	114	29	0.1%	0.5%
121 RELIGION & PHIL	121	30	0.2%	0.5%
122 INFORMAL RELIGION	122	1230	6.2%	27.2%
123 RELIGION: OTHER	123	4	0.0%	0.1%
131 BASIC EDUCATION	131	14	0.1%	0.3%
140 INTERDISCIPLINARY	140	19	0.1%	0.4%
150 INDETERMINABLE	150	35	0.2%	0.6%
TOTALS:		19722	100.0%	100.0%

SACRS2 = COURSE CODE FOR STRUCT CRSE #2

RECORD: 1 POSITION: 112-114
FORMAT: N3

RESPONSE	CODES	FREQ	UNWGTD PERCENT	WGTD PERCENT
-1 INAPPLICABLE	-1	17639	89.4%	(MISS)
010 AGRICULTURE	10	26	0.1%	1.2%
021 LIBERAL ARTS	21	1	0.0%	0.0%
022 ENGLISH LANGUAGE	22	19	0.1%	0.8%
023 FOREIGN LANGUAGES	23	26	0.1%	1.1%
031 SOCIAL SCIENCES	31	26	0.1%	1.4%
032 COMMUNICATIONS	32	15	0.1%	0.7%
034 PSYCHOLOGY	34	12	0.1%	0.5%
035 PROTECTIVE SERV	35	23	0.1%	1.1%
036 PUBLIC ADM & SERV	36	9	0.0%	0.5%
037 SOCIAL SCIENCE: OTHER	37	1	0.0%	0.1%
041 SPECIAL BUS MARKET	41	8	0.0%	0.4%
042 REAL EST/INSURANCE	42	10	0.1%	0.4%
043 BUS MARKETING MGMT	43	3	0.0%	0.1%
044 BUS ACC & FINANCE	44	22	0.1%	0.8%
045 BUSINESS MGMT	45	31	0.2%	1.7%
046 BUS ADM SUP	46	11	0.1%	0.7%
047 BUS COMPU SOFTWARE	47	25	0.1%	1.1%
048 BUSINESS: OTHER	48	10	0.1%	0.8%
051 COMPU SCI/SYSTEMS	51	62	0.3%	2.7%
060 EDUCATION	60	25	0.1%	0.9%
070 ENGINEERING	70	23	0.1%	1.1%
081 VOC/PERSONAL SERV	81	36	0.2%	1.7%
082 HOME ECONOMICS	82	145	0.7%	7.1%
083 VOCATIONAL: OTHER	83	3	0.0%	0.3%
091 SCIENCES	91	11	0.1%	0.4%
092 MATHEMATICS	92	11	0.1%	0.6%
102 SELF/INTERPERSONAL	102	54	0.3%	2.5%
104 FINE/PERFORM ARTS	104	63	0.3%	2.8%
105 PHY ED & LEISURE	105	560	2.8%	27.4%
106 ARTS/LEISURE: OTHER	106	2	0.0%	0.0%
111 HEALTH SCIENCES	111	7	0.0%	0.3%
112 ALLIED HEALTH	112	35	0.2%	1.6%
113 SELF-HELP HEALTH	113	286	1.5%	13.4%
114 HEALTH: OTHER	114	11	0.1%	0.5%
121 RELIGION & PHIL	121	13	0.1%	0.5%
122 INFORMAL RELIGION	122	420	2.1%	21.2%
123 RELIGION: OTHER	123	2	0.0%	0.0%
131 BASIC EDUCATION	131	8	0.0%	0.2%
140 INTERDISCIPLINARY	140	8	0.0%	0.4%
150 INDETERMINABLE	150	20	0.1%	0.9%
TOTALS:		19722	100.0%	100.0%

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SACRS3 = COURSE CODE FOR STRUCT CRSE #3

RECORD: 1 POSITION: 115-117
FORMAT: N3

RESPONSE	CODES	FREQ	UNWGTD PERCENT	WGTD PERCENT
-1 INAPPLICABLE	-1	18774	95.2%	(MISS)
010 AGRICULTURE	10	19	0.1%	2.2%
021 LIBERAL ARTS	21	1	0.0%	0.1%
022 ENGLISH LANGUAGE	22	14	0.1%	1.6%
023 FOREIGN LANGUAGES	23	9	0.0%	0.8%
031 SOCIAL SCIENCES	31	13	0.1%	1.5%
032 COMMUNICATIONS	32	7	0.0%	0.6%
033 LAW	33	1	0.0%	0.1%
034 PSYCHOLOGY	34	9	0.0%	0.8%
035 PROTECTIVE SERV	35	14	0.1%	1.3%
036 PUBLIC ADM & SERV	36	7	0.0%	0.9%
041 SPECIAL BUS MARKET	41	4	0.0%	0.3%
042 REAL EST/INSURANCE	42	3	0.0%	0.2%
043 BUS MARKETING MGMT	43	4	0.0%	0.3%
044 BUS ACC & FINANCE	44	9	0.0%	0.8%
045 BUSINESS MGMT	45	18	0.1%	1.5%
046 BUS ADM SUP	46	8	0.0%	1.1%
047 BUS COMPU SOFTWARE	47	11	0.1%	1.3%
048 BUSINESS: OTHER	48	7	0.0%	1.0%
051 COMPU SCI/SYSTEMS	51	32	0.2%	3.6%
060 EDUCATION	60	28	0.1%	3.1%
070 ENGINEERING	70	10	0.1%	0.9%
081 VOC/PERSONAL SERV	81	18	0.1%	2.2%
082 HOME ECONOMICS	82	65	0.3%	7.8%
083 VOCATIONAL: OTHER	83	1	0.0%	0.2%
091 SCIENCES	91	7	0.0%	0.7%
092 MATHEMATICS	92	7	0.0%	0.8%
102 SELF/INTERPERSONAL	102	32	0.2%	2.8%
104 FINE/PERFORM ARTS	104	24	0.1%	2.2%
105 PHY ED & LEISURE	105	235	1.2%	23.7%
111 HEALTH SCIENCES	111	5	0.0%	0.4%
112 ALLIED HEALTH	112	22	0.1%	2.3%
113 SELF-HELP HEALTH	113	85	0.4%	9.2%
114 HEALTH: OTHER	114	10	0.1%	1.1%
121 RELIGION & PHIL	121	10	0.1%	0.9%
122 INFORMAL RELIGION	122	176	0.9%	19.9%
123 RELIGION: OTHER	123	2	0.0%	0.1%
131 BASIC EDUCATION	131	3	0.0%	0.3%
140 INTERDISCIPLINARY	140	7	0.0%	0.5%
150 INDETERMINABLE	150	11	0.1%	1.0%
TOTALS:		19722	100.0%	100.0%

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Listing of NCES Working Papers to Date

Please contact Ruth R. Harris at (202) 219-1831
if you are interested in any of the following papers

Number	Title	Contact
94-01 (July)	Schools and Staffing Survey (SASS) Papers Presented at Meetings of the American Statistical Association	Dan Kasprzyk
94-02 (July)	Generalized Variance Estimate for Schools and Staffing Survey (SASS)	Dan Kasprzyk
94-03 (July)	1991 Schools and Staffing Survey (SASS) Reinterview Response Variance Report	Dan Kasprzyk
94-04 (July)	The Accuracy of Teachers' Self-reports on their Postsecondary Education: Teacher Transcript Study, Schools and Staffing Survey	Dan Kasprzyk
94-05 (July)	Cost-of-Education Differentials Across the States	William Fowler
94-06 (July)	Six Papers on Teachers from the 1990-91 Schools and Staffing Survey and Other Related Surveys	Dan Kasprzyk
94-07 (Nov.)	Data Comparability and Public Policy: New Interest in Public Library Data Papers Presented at Meetings of the American Statistical Association	Carrol Kindel
95-01 (Jan.)	Schools and Staffing Survey: 1994 Papers Presented at the 1994 Meeting of the American Statistical Association	Dan Kasprzyk
95-02 (Jan.)	QED Estimates of the 1990-91 Schools and Staffing Survey: Deriving and Comparing QED School Estimates with CCD Estimates	Dan Kasprzyk
95-03 (Jan.)	Schools and Staffing Survey: 1990-91 SASS Cross-Questionnaire Analysis	Dan Kasprzyk
95-04 (Jan.)	National Education Longitudinal Study of 1988: Second Follow-up Questionnaire Content Areas and Research Issues	Jeffrey Owings
95-05 (Jan.)	National Education Longitudinal Study of 1988: Conducting Trend Analyses of NLS-72, HS&B, and NELS:88 Seniors	Jeffrey Owings

Listing of NCES Working Papers to Date--Continued

Number	Title	Contact
95-06 (Jan.)	National Education Longitudinal Study of 1988: Conducting Cross-Cohort Comparisons Using HS&B, NAEP, and NELS:88 Academic Transcript Data	Jeffrey Owings
95-07 (Jan.)	National Education Longitudinal Study of 1988: Conducting Trend Analyses HS&B and NELS:88 Sophomore Cohort Dropouts	Jeffrey Owings
95-08 (Feb.)	CCD Adjustment to the 1990-91 SASS: A Comparison of Estimates	Dan Kasprzyk
95-09 (Feb.)	The Results of the 1993 Teacher List Validation Study (TLVS)	Dan Kasprzyk
95-10 (Feb.)	The Results of the 1991-92 Teacher Follow-up Survey (TFS) Reinterview and Extensive Reconciliation	Dan Kasprzyk
95-11 (Mar.)	Measuring Instruction, Curriculum Content, and Instructional Resources: The Status of Recent Work	Sharon Bobbitt & John Ralph
95-12 (Mar.)	Rural Education Data User's Guide	Samuel Peng
95-13 (Mar.)	Assessing Students with Disabilities and Limited English Proficiency	James Houser
95-14 (Mar.)	Empirical Evaluation of Social, Psychological, & Educational Construct Variables Used in NCES Surveys	Samuel Peng
95-15 (Apr.)	Classroom Instructional Processes: A Review of Existing Measurement Approaches and Their Applicability for the Teacher Follow-up Survey	Sharon Bobbitt
95-16 (Apr.)	Intersurvey Consistency in NCES Private School Surveys	Steven Kaufman
95-17 (May)	Estimates of Expenditures for Private K-12 Schools	Stephen Broughman
95-18 (Nov.)	An Agenda for Research on Teachers and Schools: Revisiting NCES' Schools and Staffing Survey	Dan Kasprzyk
96-01 (Jan.)	Methodological Issues in the Study of Teachers' Careers: Critical Features of a Truly Longitudinal Study	Dan Kasprzyk

Listing of NCES Working Papers to Date--Continued

Number	Title	Contact
96-02 (Feb.)	Schools and Staffing Survey (SASS): 1995 Selected papers presented at the 1995 Meeting of the American Statistical Association	Dan Kasprzyk
96-03 (Feb.)	National Education Longitudinal Study of 1988 (NELS:88) Research Framework and Issues	Jeffrey Owings
96-04 (Feb.)	Census Mapping Project/School District Data Book	Tai Phan
96-05 (Feb.)	Cognitive Research on the Teacher Listing Form for the Schools and Staffing Survey	Dan Kasprzyk
96-06 (Mar.)	The Schools and Staffing Survey (SASS) for 1998-99: Design Recommendations to Inform Broad Education Policy	Dan Kasprzyk
96-07 (Mar.)	Should SASS Measure Instructional Processes and Teacher Effectiveness?	Dan Kasprzyk
96-08 (Apr.)	How Accurate are Teacher Judgments of Students' Academic Performance?	Jerry West
96-09 (Apr.)	Making Data Relevant for Policy Discussions: Redesigning the School Administrator Questionnaire for the 1998-99 SASS	Dan Kasprzyk
96-10 (Apr.)	1998-99 Schools and Staffing Survey: Issues Related to Survey Depth	Dan Kasprzyk
96-11 (June)	Towards an Organizational Database on America's Schools: A Proposal for the Future of SASS, with comments on School Reform, Governance, and Finance	Dan Kasprzyk
96-12 (June)	Predictors of Retention, Transfer, and Attrition of Special and General Education Teachers: Data from the 1989 Teacher Followup Survey	Dan Kasprzyk
96-13 (June)	Estimation of Response Bias in the NHES:95 Adult Education Survey	Steven Kaufman
96-14 (June)	The 1995 National Household Education Survey: Reinterview Results for the Adult Education Component	Steven Kaufman

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Listing of NCES Working Papers to Date--Continued

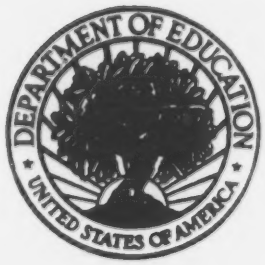
Number	Title	Contact
96-15 (June)	Nested Structures: District-Level Data in the Schools and Staffing Survey	Dan Kasprzyk
96-16 (June)	Strategies for Collecting Finance Data from Private Schools	Stephen Broughman
96-17 (July)	National Postsecondary Student Aid Study: 1996 Field Test Methodology Report	Andrew G. Malizio
96-18 (Aug.)	Assessment of Social Competence, Adaptive Behaviors, and Approaches to Learning with Young Children	Jerry West
96-19 (Oct.)	Assessment and Analysis of School-Level Expenditures	William Fowler
96-20 (Oct.)	1991 National Household Education Survey (NHES:91) Questionnaires: Screener, Early Childhood Education, and Adult Education	Kathryn Chandler
96-21 (Oct.)	1993 National Household Education Survey (NHES:93) Questionnaires: Screener, School Readiness, and School Safety and Discipline	Kathryn Chandler
96-22 (Oct.)	1995 National Household Education Survey (NHES:95) Questionnaires: Screener, Early Childhood Program Participation, and Adult Education	Kathryn Chandler
96-23 (Oct.)	Linking Student Data to SASS: Why, When, How	Dan Kasprzyk
96-24 (Oct.)	National Assessments of Teacher Quality	Dan Kasprzyk
96-25 (Oct.)	Measures of Inservice Professional Development: Suggested Items for the 1998-1999 Schools and Staffing Survey	Dan Kasprzyk
96-26 (Nov.)	Improving the Coverage of Private Elementary-Secondary Schools	Steven Kaufman
96-27 (Nov.)	Intersurvey Consistency in NCES Private School Surveys for 1993-94	Steven Kaufman

Listing of NCES Working Papers to Date--Continued

Number	Title	Contact
96-28 (Nov.)	Student Learning, Teaching Quality, and Professional Development: Theoretical Linkages, Current Measurement, and Recommendations for Future Data Collection	Mary Rollefson
96-29 (Nov.)	Undercoverage Bias in Estimates of Characteristics of Adults and 0- to 2-Year-Olds in the 1995 National Household Education Survey (NHES:95)	Kathryn Chandler
96-30 (Dec.)	Comparison of Estimates from the 1995 National Household Education Survey (NHES:95)	Kathryn Chandler
97-01 (Feb.)	Selected Papers on Education Surveys: Papers Presented at the 1996 Meeting of the American Statistical Association	Dan Kasprzyk
97-02 (Feb.)	Telephone Coverage Bias and Recorded Interviews in the 1993 National Household Education Survey (NHES:93)	Kathryn Chandler
97-03 (Feb.)	1991 and 1995 National Household Education Survey Questionnaires: NHES:91 Screener, NHES:91 Adult Education, NHES:95 Basic Screener, and NHES:95 Adult Education	Kathryn Chandler
97-04 (Feb.)	Design, Data Collection, Monitoring, Interview Administration Time, and Data Editing in the 1993 National Household Education Survey (NHES:93)	Kathryn Chandler
97-05 (Feb.)	Unit and Item Response, Weighting, and Imputation Procedures in the 1993 National Household Education Survey (NHES:93)	Kathryn Chandler
97-06 (Feb.)	Unit and Item Response, Weighting, and Imputation Procedures in the 1995 National Household Education Survey (NHES:95)	Kathryn Chandler
97-07 (Mar.)	The Determinants of Per-Pupil Expenditures in Private Elementary and Secondary Schools: An Exploratory Analysis	Stephen Broughman
97-08 (Mar.)	Design, Data Collection, Interview Timing, and Data Editing in the 1995 National Household Education Survey	Kathryn Chandler

Listing of NCES Working Papers to Date--Continued

Number	Title	Contact
97-09 (Apr.)	Status of Data on Crime and Violence in Schools: Final Report	Lee Hoffman
97-10 (Apr.)	Report of Cognitive Research on the Public and Private School Teacher Questionnaires for the Schools and Staffing Survey 1993-94 School Year	Dan Kasprzyk
97-11 (Apr.)	International Comparisons of Inservice Professional Development	Dan Kasprzyk
97-12 (Apr.)	Measuring School Reform: Recommendations for Future SASS Data Collection	Mary Rollefson
97-13 (Apr.)	Improving Data Quality in NCES: Database-to-Report Process	Susan Ahmed
97-14 (Apr.)	Optimal Choice of Periodicities for the Schools and Staffing Survey: Modeling and Analysis	Steven Kaufman
97-15 (May)	Customer Service Survey: Common Core of Data Coordinators	Lee Hoffman
97-16 (May)	International Education Expenditure Comparability Study: Final Report, Volume I	Shelley Burns
97-17 (May)	International Education Expenditure Comparability Study: Final Report, Volume II, Quantitative Analysis of Expenditure Comparability	Shelley Burns
97-18 (June)	Improving the Mail Return Rates of SASS Surveys: A Review of the Literature	Steven Kaufman
97-19 (June)	National Household Education Survey of 1995: Adult Education Course Coding Manual	Peter Stowe
97-20 (June)	National Household Education Survey of 1995: Adult Education Course Code Merge Files User's Guide	Peter Stowe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